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Curriculum vitae

Resumé

Last Update: February 6, 2022

PERSONAL DATA

Aiden Bradwell

122 Argyle Avenue
Ottawa (Ontario)
K2P 1B4

Language of correspondence

ENGLISH

Citizenship

Canadian

Employment Equity

Security clearance

No

ACADEMIC DATA

Program of studies

Honours Bachelor of Science with Major in Computer Science and Major in Psychology

Year Level

4

Cumulative grade point
average

8.87

letter equivalent of university of
ottawa cumulative grade point
average

10=A+	9=A	8=A-	7=B+	6=B	
5=C+	4=C	3=D+	2=D	1=E	0=F

Work term information

Term	Employer	Overall evaluation
1. 2020, Summer	National Research Council Canada (NRC)	Exceptional
2. 2021, Winter	Microchip Technology	Exceptional

* a blank field in the - overall evaluation - column means that the evaluation has not yet been submitted by the employer

Aiden Bradwell

LANGUAGES

Language Name	Speaking Level	Writing Level	Comprehension Level
English	Fluent	Fluent	Fluent

EDUCATION

September 3rd, 2018 - December 31st, 2022 **BSc Major in Computer Science & Major in Psychology**
University of Ottawa

Ottawa, Ontario, Canada

- Currently in 4th year of studies
- Faculty of Engineering Deans List recipient 2018-2019
- 8.87 CGPA

September 1st, 2014 - June 27th, 2018

OSSD

General Amherst High School

Amherstburg, Ontario, Canada

- Graduated with 4 years of Honours
- Head of the Tech team, overseeing all presentations, rallies, and audio
- Founded and headed the Yearbook committee
- Valedictorian of my graduating class

SKILLS

Engineering

Programming:

- Trained academically through various programming languages including TCL, OCaml, Racket, Scheme, Prolog, GO, Java, HTML, CSS, PHP, JavaScript, Python 3, Python 2, RobotFramework syntax, C++, C, ruby (Proof of Competencies)
- In-field experience in planning, creating, and implementing automated timing-microchip testing platforms in python, through the RobotFramework package in Python3
- In-Field experience with computer-vision and image analysis technologies, including OpenCv and TensorFlow for number recognition
- Well versed in database design, management, and querying in an academic setting (HTML + SQL)
- Received knowledge on Client-Server SimpleChat applications, the PageRank algorithm, and Graph traversal//theory through the academic setting
- Self-trained in HTML, CSS, and JavaScript through professional employment (www.discoveryyear.ca)

Software Design:

- Well-trained in preparing and executing UML diagrams, through both USE and Umple software
- In-field experience converting legacy systems into modern languages, including infrastructure overhaul and optimization. Converted a TCL based microchip automated testing system to one in Python 3.
- Experience in app production on a team of programmers using Android Studio with Firebase Authentication (REPORT)

Computer

Presentation:

- Created presentation for first year University of Ottawa students coming from

- South Western Ontario, including transitions and self-produced infographics
- Chosen as one of three Co Op students who worked for the National Research Council this summer to present their work to the organization through a condensed 2-minute talk
- Drafted a Technical Report through a class assignment which implemented drafted infographics, personally conducted research, and complex report formatting

Operating Systems:

- Became adept in both Mac OS and Windows OS of versions ranging between 2009 and present
- Knowledge of the Linux OS through an academic setting

Leadership

- Founded &oversaw high school yearbook team, with the work including graphic design, keeping a specific schedule, managing three sub teams of students, and organizing large-scale information collection from the graduating class (25+ members)
- Oversaw high school teach team, as it organized the school's varying technological needs (20+ members)
- Received a \$3000 grant to start a sole-proprietorship through the Windsor-Essex County Economic Development Center

WORK EXPERIENCE

January 2021 - August 2021

Embedded Software Developer

Microchip Technology Inc.

Kanata, Ontario, Canada

Co-op Program

- Functioned as a team member developing the next-generation of a timing-chip automated testing platform. Oversaw project design, delivery schedule, and implementation, having creative control throughout the development process.
- This new platform relies on National Instruments interaction, PyVisa, GPIB lab equipment communication, and the use of a microchip testing board to implement 200+ RobotFramework testing scripts.

May 2020 - August 2020

Student Researcher

National Research Council Canada / Conseil national de recherches Canada

Ottawa, Ontario, Canada

Co-op Program

- Computer Vision &Graphics Team, Student Researcher, Summer 2020
- Worked with OpenCV-Python libraries, DLIB facial landmark detection, Residual Neural network implementations of research papers, and PyGame for application production all while working towards the implementation for a collection of Psychological Research.

March 2020 - Present

Website Developer

MentorU

Ottawa, Ontario, Canada

Co-op Program

- Maintain active site design, while working closely with the fantastic MentorU staff on their desired direction of the site.

May 1st, 2019 - April 30th, 2020

Regional Mentor

University of Ottawa

Ottawa, Ontario, Canada

Work Study Program

- Interpersonal skills acquired through extensive training from industry professionals in presenting
- External communication skills practiced through public speaking in four cities, to a total of 150+ first year students
- Problem solving experience issued through 2 month in a call center to resolve students enrolment errors and complaints
- Time management ability expanded through a laissez-fair management system, in which one was able to propose and complete project they saw as useful to students

June 1st, 2017 - January 1st, 2018

Founder & Instructor

Bradwell Applications

Windsor-Essex County, Ontario, Canada

- Received \$3000 government loan to begin a sole proprietorship
- Personal management skills, including time management, goal setting, and independent workloads gained through an accompanying mentorship program hosted by the Windsor-Essex Economic Development Center
- Business strategies, creative thinking, and coping techniques were introduced through presentations and lessons from successful Windsor entrepreneurs and industry specialists, on a biweekly basis
- Teaching ability practiced by helping the elderly learn technology, including mobile devices, social media, and both desktop & laptop usage.

December, 2016 - September, 2018

Brand Ambassador

Influence Marketing

Amherstburg, Ontario, Canada

- Conducted in field sampling of new products for major brands
- Self-regulated management experience gained through this satellite position
- On-line reporting practiced through their satellite employee reporting system
- Public speaking and sales were extensively practiced, as the position was nearly all customer interactions and conversations

OTHER INFORMATION

LinkedIn

[Link to personal LinkedIn account](#)

Github

[Link to personal Github account](#)

Personal Website

[Link to personal Website through GitHub Pages](#)

HackerRank

[Link to personal HackerRank account](#)

REFERENCES

Cathy Zhang

Principal Software Architect

Microchip Incorporated

Oversaw my 8-month employment for the microchip testing team at Microchip Incorporated.

Relation: Previous Co-Op Manager

Manuela Kunz

Senior Research Officer

National Research Council

Provided oversight and guidance as to where the projects I had been assigned should head, and worked as a manager to assure the project I worked on with the

Relation: Previous Co-Op Manager
Cathy.Zhang@microchip.com

manager to assure the project I worked on with the
National Research Center became what it needed to.

Relation: Previous Co-Op Manager
+1 (613) 329-1557

Catherine Lavoie
Academic Success Coordinator
University of Ottawa

Oversaw my position in the Regional Mentoring Team at
the University of Ottawa, as we assisted first year students
with their transition to University life.

Relation: Previous Employer
+1 (613) 724-8685

Aiden Bradwell

Courses

Code	Title	Term	Grade	Units
2018, Fall				
DVM1100	CAD & CHALLENGES OF INTL DEV.		B+	3.00
ENG1112	TECHNICAL REPORT WRITING		A	3.00
ITI1120	INTRODUCTION TO COMPUTING I		A-	3.00
MAT1320	CALCULUS I		A+	3.00
MAT1341	INTRO. TO LINEAR ALGEBRA		A	3.00
CGPA	8.6			
2019, Winter				
ITI1100	DIGITAL SYSTEMS I		A+	3.00
ITI1121	INTRODUCTION TO COMPUTING II		A+	3.00
MAT1322	CALCULUS II		A	3.00
MAT1348	DISCRETE MATH FOR COMPUTING		A	3.00
RUS2103	CONTEMPORARY RUSSIAN CULTURE		A	3.00
CGPA	9			
2019, Fall				
CSI2110	DATA STRUCTURES AND ALGORITHMS		A	3.00
LIN1320	INTRO LING:SOUNDS		A-	3.00
MAT2377	PROB. & STATS. FOR ENGINEERS		B+	3.00
PSY1101	INTRO TO PSY: FOUNDATIONS		A	3.00
PSY1102	INTRO TO PSY: APPLICATIONS		A-	3.00
SEG2105	INTRO TO SOFTWARE ENGINEERING		A+	3.00
CGPA	8.81			
2020, Winter				
COP 100	CO-OP Professional Development			0.00
CSI2101	DISCRETE STRUCTURES		A+	3.00
CSI2120	PROGRAMMING PARADIGMS		A	3.00
CSI2132	DATABASES I		A+	3.00
CSI2911	PROFESSIONAL PRACTICE IN COMP		A+	3.00
PSY2301	BIOLOG. FOUNDATIONS OF BEHAV.		A	3.00
CGPA	9			
2020, Summer				
CGI2901	CO-OP WORK TERM		P	3.00
CGPA	9			
2020, Fall				
CEG2136	COMPUTER ARCHITECTURE I		A-	3.00
CSI3105	DESIGN ANALYSIS ALGORITHMS I		A-	3.00
CSI3120	PROGRAMMING LANGUAGE CONCEPTS		A	3.00
PSY2106	QUANTI. METH. IN PSYCHO. I		B+	3.00
PSY2174	RESEARCH METHODS AND ETHICS		B+	3.00

PSY2174	RESEARCH METHODS AND ETHICS	B+	3.00
CGPA	8.77		

2021, Winter

CGI3901	CO-OP WORK TERM	P	3.00
CGPA	8.77		

----- End of course list -----

Legend

Grades

10=A+	9=A	8=A-	7=B+	6=B	5=C+	4=C	3=D+	2=D	1=E	0=F
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Symbols

()= Credits not granted
 ADD= Additional to requirements
 CTN= Continuing
 DR= Dropped
 EIN= Failure/Incomplete
 NS= Unsatisfactory
 SCO= Insufficient credits

*= Excluded from average
 AUD= Auditrice/auditor
 DFR= deferred
 H= Honours
 NC= No credit
 P= Pass

ABS= Absence
 CR= Credit
 DNW= See: ABS
 HP= Out-of-program
 NNR= Not available
 S= Satisfactory