James M. Robertson

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Curriculum Vitae (CV)

EDUCATION

Bachelor of Engineering Science, Software Engineering   **September 2016 – April 2020**
Western University, London, Ontario

Student Membership   **March 2019 – Current**
Interaction Design Foundation
Distinctions
- "Top 10% in Class – Web Design for Usability"
- "Top 10% in Class – Human-Computer Interaction – HCI'

High School Diploma   **September 2012 – June 2016**
Sir William Mulock Secondary School, Newmarket, Ontario

ACADEMIC PROJECTS

Canadian Engineering Accreditation Management System   **September 2018 – April 2019**
Software Engineering Design course, Western University
- Developed system and features alongside other teams simulating entire software lifecycle
- Gained experience working in an Agile Scrum software development style
- Took lead within team to lead meetings, and plan responsible tasks for specific sprints
- Worked with Ember.js framework for frontend, Node Express server, and MongoDB on backend

Developed Angular Web Application   **November 2018**
Web Technologies course, Western University
- Used full implementation of the M.E.A.N stack (MongoDB, Express.js, Angular, Node.js)
- Effectively learned and harnessed Typescript for writing Angular 7.0 front end
- Deployed RESTful Node server API to handle client-side interactions with Mongo backend
- Created online web store with user login, basic authorization, and security measures

Developed Relational Database Schema with Web Interface   **November 2018**
Database Management Systems course, Western University
- Worked alongside a team in an agile work environment, employing paired programming
- Developed a SQL database schema to build relations for a MySQL database connection
- Built interface that connected to MySQL database through Node Express server with RESTful API
- Designed advanced queries using SQL to analyze and pull data from the database

Proficient Languages
• C++
• C#
• Java
• Python 3
• Ruby
• Javascript
• JQuery
• HTML
• CSS
• SQL
• Typescript

Proficient Technologies
- Git
- MongoDB
- Node.js
- Express
- Postman

Backgrounded Frameworks
- Ember.js
- Angular 7

TECHNICAL SKILLS
- Utilizes GitHub to structure and manage progression of projects and recover from problems
- Has large knowledge and understanding of data structures, algorithms, and design architectures
- Can effectively display and communicate ideas, assisted by various UML diagrams
- Understands and employs clear formal notation to demonstrate security functions including cryptosystems, key encryptions, and certificates

WORKPLACE SKILLS
- Enjoys working alongside a team, receiving and giving help to team members
- Driven to solve problems, actively seeks to learn new ways to utilize technology effectively and create better work by reflecting on mistakes
- Recognized for high empathy and ability to connect with others

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EXTRACURRICULAR ACTIVITIES

Residence Soph   **February 2018 – April 2019**
Student Leader Volunteer at Western University, Saugeen Maitland Hall
- Learned how to deescalate, and handle a wide variety of scenario and situations in residence
- Gained effective communication skills, and invaluable experience in dealing with people
- Displayed interest in helping others while further developing personal growth
- Bonded with the students responsible to look after, and created positive relationships with entire building team (residence staff, residence managers, and other sophs)
Certification
- SafeTalk Certification, by Living Waters – Suicide Prevention Training

EXTRACURRICULAR ACTIVITIES (Continued)

Founders Club Member   **September 2018- April 2019**
- Attended technical learning workshops

Guitar Club Member   **September 2018- April 2019**
- Attended skill-based workshops and hangouts

Guitar Club Member   **September 2018- April 2019**
- Helped fund and perform acts of kindness around campus

Intramural Volleyball   **September 2017- December 2017**
- Engaged in teamwork to help lead team to Intramural Playoffs

Western Formula Club Member   **September 2016- December 2016**
- Helped Western's team perform at Oshawa starters race through flexibly performing tasks

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WORK EXPERIENCE

Accounting Support – File Management Intern   **July 2019 – August 2019**
Sorbara Group of Companies, Vaughan, Ontario
- Asked to return for additional responsibilities, and assistive work
- Followed instructions thoroughly and adaptively, catering to tasks as needed

Accounting Support - Construction Analyst   **May 2017 – August 2017**
Sorbara Group of Companies, Vaughan, Ontario
- Took on a wide assignment of tasks with enthusiasm, flexibility, and vigor
- Received valuable experience in bonding with fellow employees and working as a team

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VOLUNTEER EXPERIENCE

Residence Soph Student Leader   **August 2018 – April 2019**
Western Housing, London, Ontario
- Returned to residence to help direct new students through the adjustment of moving
- Worked alongside Residence Staff member in a cohesive and flexible unit

Oweek Orientation Volunteer   **August 2018 – September 2018**
Western's University Students' Council, London, Ontario
- Lead students throughout orientation welcome week events
- Monitored and address student problems

School's Done: Fun Run! Volunteer   **March 2019**
- Brought energy and fun to participants of the colour run

VOLUNTEER EXPERIENCE (Continued)

Hack Western Event Volunteer   **November 2018**
- Managed technical equipment sign outs
- Ensured participants were comfortable, and had a positive working environment

Relay for Life Event Crew Volunteer   **February 2016 – March 2016**
- Assisted sound coordination for events
- Engaged participants with high energy and encouragement

KEY SKILLS

- Listens attentively to instructions, and asks for clarification quickly
- Aims to solve problems in a timely and flexible manner
- Is resourceful in looking for solutions to problems
- Enjoys working with a team, and excels in partnership tasks
- Works effectively when independent
- Encourages others to work productively, enthusiastically, and effectively
- Takes responsibility for quality of performance, and excels with feedback in order to better it
- Gives credits to those who help and contribute work when responsible for leading a task
- Makes plans to learn from encountered failures, and develops strategies to create success
- Wants to further prove own ability in new settings, and further develop life skills
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INTERESTS: Fitness, Music Listening, Guitar, Ukulele, Sketch Art, Philosophy, Anthropology, Film, Poetry, Fashion, Gaming, Sound Design, UX Design, Interaction Design, Coding, Photoshop, Video Editing, Hiking

<u>CERTIFICATION LINKS</u>

PROGRAMMING LANGUAGES:

- C++   https://www.sololearn.com/Certificate/1051-5018347/pdf/
- C#   https://www.sololearn.com/Certificate/1080-5018347/pdf/
- Java   https://www.sololearn.com/Certificate/1068-5018347/pdf/
- Python 3   https://www.sololearn.com/Certificate/1073-5018347/pdf/
- Ruby   https://www.sololearn.com/Certificate/1081-5018347/pdf/
- Javascript   https://www.sololearn.com/Certificate/1024-5018347/pdf/
- JQuery   https://www.sololearn.com/Certificate/1082-5018347/pdf/
- HTML   https://www.sololearn.com/Certificate/1014-5018347/pdf/
- CSS   https://www.sololearn.com/Certificate/1023-5018347/pdf/
- SQL   https://www.sololearn.com/Certificate/1060-5018347/pdf/

INTERACTION DESIGN FOUNDATION CERTIFICATES / DISTINCTIONS

- IDF Membership
  https://www.interaction-design.org/james-robertson-1/certificate/membership/PN0QbSrgw?r=james-robertson-1
- "Human Computer Interaction – HCI"
  "Top 10% in Class – Human-Computer Interaction – HCI'
  https://www.interaction-design.org/james-robertson-1/certificate/course/PTX12xp5r
- "Web Design for Usability"
  "Top 10% in Class – Web Design for Usability"
  https://www.interaction-design.org/james-robertson-1/certificate/course/PVXpGs4Rx