

TREVOR SMITH

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QUALIFICATIONS:

Languages:

- C Language - Used to develop advanced applications, create libraries, and several types of data structures
- Java – Developed with a variety of libraries, applications include a stock market simulator and virtual breadboard
- JavaScript – Developed utilizing Node.JS and Express.JS for Google Assistant and Amazon Echo platforms
- Python - Used in collaboration with OpenCV, TensorFlow for image processing, recognition, and machine learning

Operating Systems:

- Windows - Primary operating system
- Linux - Experience developing C on Debian, Python on Ubuntu, Ubuntu command line

Hardware:

- Arduino, Raspberry Pi, and FPGA boards

Software:

- Docker - Used to create separate containers for running specific applications with different requirements
- JIRA - Used for project management, organizing stories and sharing sprint progress
- Git - Extensively used for several applications with different development teams

EDUCATION

Bachelor of Engineering, Engineering Systems and Computing (Co-op), University of Guelph 2016 – Present

- Academic accomplishments: Dean's Honour List Semesters One, Two, and Four
- Relevant courses: Introduction to Programming (Achieved 100%), Intermediate Programming, Data Structures, Object Oriented Programming, Digital Systems Design Using Descriptive Language, Microcomputer Interfacing
- Currently holding Officer position for University of Guelph Engineering Society, responsible for managing merchandise orders and sales

RELEVANT EXPERIENCE

Innovation Web Application Developer, Sun Life Financial, Toronto April 2018 – August 2018

- Developed PoC voice applications, IVRs, and website chatbots using DialogFlow, AWS and Microsoft Azure
- Maintained the Sun Life Financial Provider Search Google Home and Alexa skills with a team by efficiently separating and developing tasks
- Collaborated with team members by documenting according to industry standards and maintaining proper version control utilizing SourceTree and BitBucket
- Worked in an agile scrum environment to maximize productivity among the team
- Gave product demonstrations to company executives and different teams to secure funding for projects

Lab Assistant, Robotics Institute @ Guelph, Guelph May 2017 – August 2017

- Efficiently collaborated by developing, testing, and sharing code with team members using Docker and Git
- Learned Python, JavaScript, and Markdown by developing and maintaining the lab website
- Developed image manipulation applications by using OpenCV for image processing and image recognition
- Documented code using industry standard conventions for future team members convenience
- Used proper software development cycle resulting in the project being completed within the desired timeframe
- Developed strong work ethic by creating personal goals and deadlines, allowing for minimal supervision

ACADEMIC AND PERSONAL PROJECTS

Engineering and Design I, University of Guelph, Guelph, Ontario

2016

- Leadership position in developing Design I project – Teddy Bear Wheelchair
- Used Arduino to program motors and operate car independently of external control
- Developed circuit using breadboard, capacitors, and resistors to operate the motors of the vehicle
- Debugged issues with motors and circuit through rigorous testing, leading to a successful run
- Assisted in development of chassis and launching mechanism
- Evaluated design process and product through written report, allowing me to identify future areas of improvement

MyWaySurvey

Present

- Developing system to answer corporate surveys in a more personalized way
- Programmed thermal printer using an Arduino to create and print numerical and QR codes
- Interfaced Arduino with ESP8266 WiFi module to upload codes at time of generation to Firebase
- Creating webhook to verify customers survey code at time of use and send correct survey to user
- Developing DialogFlow skill through Node.JS to allow customers to answer surveys through Google Assistant, IVR, text message or Facebook Messenger and email coupon/rebate upon completion

EXTRACURRICULAR INVOLVEMENT

Merchandise Coordinator, University of Guelph Engineering Society, Guelph

April 2017- Present

- Successfully managed thousands of dollars in clothing orders in both fall and winter semesters
- Contacted and maintained relationships with suppliers for Guelph Engineering merchandise ranging from water bottles to coveralls
- Recorded transactions and prepared financial statements for budgeting purposes
- Created advertising materials for merchandise and assisted in the development of the Engineering Society website
- Participated in weekly meetings to update other organization members on activities
- Vote on behalf of the student body for issues that face the School of Engineering

AWARDS/SCHOLARSHIPS

University of Guelph

Entrance Scholarship

2016

- Awarded for achieving an average of 90%+ for engineering

Dean's Honour List Semesters One, Two, Four and Five

2016-2018

- Awarded for maintaining a semester average of 80% or above

International Brotherhood of Electrical Workers (Local Union 804) Scholarship

2017

- Awarded for achieving highest average in Engineering Systems and Computing in first year

References Available Upon Request