

Julia Scott

BASc Systems Design Engineering

Contact Info.

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Skills

Languages

- JS/TS
- C/C++
- Python
- HTML/CSS
- SQL
- Excel VBA

Frameworks/Libraries

- Angular
- React
- Material UI
- Bootstrap
- Express
- Flask
- Socket.IO
- Ionic

Tools

- Figma
- Git/Github
- Node.JS
- Swagger
- Linux
- MySQL
- Bitbucket
- JIRA/Confluence
- Visual Studio
- Pivotal Tracker
- Testlodge/Testrail
- Draftsight

Education

University of Waterloo

2016 - 2021

- Human-Computer Interaction
- Interface Design
- Data Structures and Algorithms

Queensland University of Technology, Australia

2020

- Database Management
- Web Computing

About me

- Outgoing
- Resourceful
- Creative
- Team Player
- Organized
- Enthusiastic
- Athletic
- Reader
- Traveler

Work Experience

Platform Engineering Intern - Zazzle Inc., Redwood City CA

Sep - Dec 2019

- Created, maintained and improved internal tools and systems used by the software engineering team in various languages including **Python** and **C**.

Software Engineering - Providius Corp., Hamilton ON

Jan - Apr 2019

- Developed a program to create a bootable USB by reskinning the open-source application, Rufus, using **C** in **Visual Studio**.
- Created a test server using **Flask** that emulates sending images from server to client.
- Improved software performance by debugging an **Angular** application and pushing fixes to **Bitbucket** integrated with **JIRA**.

Software Toolset Developer - ATS Automation, Kitchener ON

May - Aug 2018

- Developed and tested macros in **excel VBA** in accordance with departmental requirements.
- Drafted and amended operation instructions for new and existing software tools.

Manufacturing Engineer - Skyjack Inc., Guelph ON

Sep - Dec 2017

- Created and updated floor plan layouts of the Skyjack manufacturing plants using **Draftsight**.
- Authored and updated procedural instructions for new and amended plant processes.

Projects

CASTRA Web App - Fourth Year Design Project

2021

- Designed a web application using an iterative design process involving user interviews, prototyping in **Figma**, usability testing, etc.
- Developed the application using **Angular Material** in **Visual Studio**.
- Earned **Konrod Capstone Design Award** for proficiency leveraging digital technology.

Stock Market Web App - Web Computing

2020

- Created a **React**-based web application that allows users to analyze statistics drawn from a database via a **REST API** emulated by an **Express** application.

Test Server - Providius Corp.

2019

- Created a server for a test environment in **Javascript** using **Express** and **Socket.IO** that interrupts all http requests.