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HEATHER CAPE

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EMPLOYMENT

Software Engineer　　　　　**Microsoft**　　　　　*Summer 2018 (present)*
- Full stack feature development for Partner Center in AngularJS, C#
- Maintenance of Azure applications using Service Fabric, Log Analytics, APIMs and more

Core Gameplay Engineer, Intern　　　　　**Microsoft – The Coalition**　　　　　*Fall 2017*

- Game development on Gears of War 5 franchise with C++ and Unreal 4
- Working with game designers and artists to implement several new character abilities and upgrades

Full Stack Developer, Contract　　　　　**Verably Inc.**　　　　　*Summer 2017*

- Feature development in Ninja, Java, and Freemarker for an early startup

Product Developer, Intern　　　　　**Redbrick Technologies**　　　　　*Summer 2016*

- Implemented features by customer request for an analytics web app using Django and Angular
- Developed site moderating tools with celery and InfluxDB

Software Developer, Intern　　　　　**Isolation Network Canada**　　　　　*Winter 2014*

- Developed an AngularJS, TypeScript, and ASP.NET prototype project to replace a legacy data-viewing system
- Focused on directive based Angular development to future-proof the site for Angular 2.0
- Contributed to the 87% Angular test coverage with Karma

System Integration Engineer, Intern　　　　　**General Dynamics MS**　　　　　*Spring 2014*
- Wrote a pathfinding algorithm in Python to find possible connections between communicating devices
- Executed and wrote formal and informal manual test procedures for applications to be used in out in the military field

EDUCATION

Victoria, BC, Canada　　　　　**University of Victoria**　　　　　*2013-2018*
- Bachelor Software Engineering with Co-op Program
- GPA 3.96 - Dean's Honor Roll
- IEEE Software Gold Medal for the highest graduating average
- Specialized Coursework: Distributed Systems, Advanced Databases, Graphics, Functional Programming
- Leadership involvement through appointed positions on the Engineering Student Society

PROJECTS

- **Antidose** Android application to combat the opioid overdose crisis by navigating those naloxone kits to emergency locations. 1st Place Software Engineering Capstone project. www.antidose.ca (2017)
- **Moonshot Trading** Simulated stock trading system in golang with a distributed system focus. Reached over 12000 transactions per second in an offline network. Optimizing performance using PostgreSql, Redis, and RabbitMQ (2018)
- **@iambellebot** Twitter bot to compliment user's photos. A python script uses Clarifai API feedback to determine if the photo is a human or animal, and what they look like. UVic Hackathon Winner (2017)
- **Clarifly** platform that allows teachers to create a digital room that students can join and then post and upvote questions in during lectures. Built in vue.js and golang (2018)
- **Glide: Concourse Chrome Extension** A Chrome extension to view status of builds and requeue bulids through the Concourse CI API

LANGUAGES AND TOOLS

- C, C++, C#, Golang, Java, Python
- AngularJS, Angular, HTML/CSS, JavaScript, Redis, RabbitMQ, TypeScript
- Visual Studio, Unreal Engine 4, Android Studio, Github, Jira, Docker, Photoshop