

Jeff Miiller

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Education

University of British Columbia

Expected Graduation: April 2020

Bachelor of Arts - GPA: 4.20 / 4.33 (Dean's List)

· Double Major in Computer Science and Philosophy

Technical Skills: Python, Django, HTML5, CSS3, JavaScript, Git, SQL, Java, TravisCI, AppVeyor, AWS, Haskell

Relevant Coursework: Data Structures & Algorithms, Relational Databases, Data Visualization*, Definition of Programming Languages, Internet Computing, Hardware and Operating Systems, Functional & Logic Programming. Software Engineering*, Distributed Systems*
* currently completing

Technical Work Experience

Tasktop Technologies Inc. – Vancouver, BC

Sept 2016 - Apr 2017

Technologies: Java, HTML, CSS, Gerrit

Junior Software Engineer

- Built a login page and modified + restyled a Keycloak Admin Console using HTML5 and CSS.
- Developed various front-end and backend features using Java, HTML5, CSS, and Gerrit.

Replicon – Calgary, AB

May 2016 - Aug 2016

Technologies: C#, AWS, Appveyor, Git

Software Development Engineer Intern

- Implemented more than eight continuous delivery pipelines for C# projects using AWS CodePipeline.
- Migrated 8+ C# projects to Appveyor.

Replicon – Calgary, AB

May 2015 - Aug 2015

Technologies: C#, Git, NuGet, Git, AccuRev

Software Development Engineer Intern

- Contributed to a C# console application to migrate version control data from AccuRev to Git.
- Configured 10+ C# projects to use NuGet packages to improve configuration management practices.

Projects

DNS Shark (personal)

Technologies: Python, TravisCI, Codecov, PyPi, MyPy

- DNS Shark is a CLI DNS resolver capable of resolving domain names to IPv4 and IPv6 addresses. The tool is capable of performing resolution involving A, AAAA, CN, and NS resource record types.
- DNS Shark is available for download on PyPi via Pip.
- Code coverage analysis with Codecov. (97% code coverage over 105 unit tests).
- Continuous Integration/Delivery with TravisCI. (Runs MyPy static type checking, runs unit tests, sends coverage data to Codecov, and then, if the build is tagged as a release, deploys to PyPi.)

www.jeffreycodes.com (personal)

Technologies: HTML, CSS, Heroku, Django, Python (will soon use JavaScript/React too!)

- Personal website built with HTML, CSS, Django, and Python. Deployed with Heroku.

Zork Reboot (academic)

Technologies: Haskell (the coolest language ever!)

- Developed a text-based Orwellian interactive fiction game that employed natural language processing to recognize user commands with a partner.
- I wrote the natural language processing and helped substantially with developing the story map and interaction.

Non-Technical Work Experience

UBC Student Housing and Hospitality Services – Vancouver, BC

Sept 2015 - August 2019

Residence Advisor

- Fostered community and teamwork among UBC Student Housing residents in addition to providing emotional and academic support.
- Worked in teams of 6-8 to host 50+ social events.

UBC Culture and Self Lab – Vancouver, BC

Sept 2015 - August 2019

Research Assistant

- Ran over 200+ participants for psychological studies. Performed literature review.

UBC Infant Studies Centre – Vancouver, BC

Sept 2015 - August 2019

Research Assistant

- Provided customer service for visiting families. Conducted young children through studies. Recruited families via phone and email. Performed data analysis and literature review.