

# Jeff Miiller

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## Education

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

## Technical Work Experience

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### 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

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### 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.jeffmiiller.com](http://www.jeffmiiller.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

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## **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.