

TECHNICAL SKILLS

Ruby, Java, C#, C++, Scheme,
SQL, HTML, CSS

DEVELOPING SKILLS

(Self teaching)

Python, Javascript, React Native, C

DEV TOOLS AND FRAMEWORKS

Ruby on Rails, RSpec, Git, Bash,
Eclipse, Jira, Confluence, AWS
(EBS, S3, Cloudwatch)

EDUCATION

University of Waterloo

Sept. 2015 – Present

Candidate for Bachelor of Applied
Science in Computer Engineering
Expected Graduation: April 2020

INTERESTS

Playing in volleyball and ultimate
frisbee intramurals at the University
of Waterloo

Competitive video games;
Grandmaster rank at Starcraft 2.
Earned over \$1000 USD in prizing
and scholarships over two major
collegiate tournaments

Coding challenges for fun and self-
improvement

<https://www.hackerrank.com/danielku97>
<https://leetcode.com/danielku97/>

MORE ABOUT ME

Feel free to get in contact with me,
and check out my personal website
for more information!



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<https://danielku97.github.io>



<https://github.com/danielku97>



[https://www.linkedin.com
/in/daniel-ku](https://www.linkedin.com/in/daniel-ku)

WORK EXPERIENCE

Software Developer

NexJ Systems Inc.

Jan 2018 - Apr. 2018

Toronto, Canada

- Maintained the CRM application, the main business vertical of NexJ Systems that serves some of the world's largest banks and financial advising firms
- Quickly familiarized with Scheme and NexJ's internal IDE to fix bugs and add new features much more effectively
- Designed and implemented the Client Insights, a new feature for the CRM application. Independently responsible for certain sections of the feature including API calls, the user interface, and asynchronous batch emailing.

Software Engineer

Flipp Corporation

Jan 2016- Apr. 2016 & May 2017 - Aug. 2017

Toronto, Canada

- Worked on the Ecommerce team, developed Ruby parsers to ingest and update over 2 million items from CSV and XML files daily for many major US and Canadian retailers
- Investigated and implemented several API options to enrich Ecommerce items with more insightful information
- Maintained and improved the internal Rails application, adding many small features and refactoring previously existing features to be more understandable and efficient
- Added unit tests with RSpec to new features and refactored many previous unit tests as the Rails application changed

Software Developer

Davis & Henderson (D+H)

Sept. 2016 - Dec. 2016

Mississauga, Canada

- Developed a secure ASP.NET Web API to verify and log cheque information and details
- Managed a legacy Oracle database, focusing on creating and improving complex stored procedures
- Migrated SAP Crystal Reports from version 8.5 to 2013 involving rewriting many SQL queries

PROJECTS

Avalon Mobile

Source Code: <https://github.com/rxbchen/avalon-mobile>

Jan. 2018 - Present

- Actively developing a mobile version of the board game "Avalon" with three friends, equally splitting the development work
- Following a strict agile development cycle including formal code reviews and pull requests, weekly updates and sprint planning.
- Built with Javascript, React Native, Redux and CSS
- Currently only a hot-seat style of the game exists, plans for multi-phone play are expected by late 2018/early 2019.

Starcraft 2 Statistic Analyzer

https://danielku97.github.io/sc2_stats.html

Source Code: <https://github.com/danielku97/danielku97.github.io>

Oct. 2017 - Present

- Created a web application to analyze my own personal data for the popular game Starcraft 2
- Utilizes AJAX calls and several Javascript libraries to retrieve data from an API, and format them in an easily digestible format.
- Currently built with Javascript, but planning to move it to a Rails application to enable OAuth and be able to pull more sensitive data from the API