Howard Fung

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EDUCATION

University of Toronto Scarborough (UTSC)   Sept 2013 - Present
Honours Bachelor of Science (B.Sc.), Specialist in Software Engineering
Expected Graduation April 2018

SKILLS

Programming Languages
- Java, Python, SQL, Javascript, C, C++, Haskell, Scheme

Other
- PostgreSQL, MySQL, Angular, React, Agile Development, Git, MongoDB, Docker, Node.js, Jenkins, Selenium, Linux, Windows

WORK EXPERIENCE

Software Developer Intern – Rubikloud   May 2017 – Aug. 2017
- Designed and developed an automated Python ETL script to migrate raw csv data from a Microsoft Blobstore into a PostgreSQL data warehouse for a company analysis and reporting web application
- Created and managed a Node.js web app that allowed various departmental teams to add and access files in a remote server interactively or through SSH, significantly reducing time spent on hosting and retrieving files
- Wrote automated test scripts for data validation and UI testing using Selenium
- Nominated for the firm's monthly Homer Award in recognition of exemplary work

PROJECTS

Let Me Know, MHacks Finalist   Oct. 2016
- Languages Used: HTML, CSS, Python
- Web application that finds relevant topical articles regarding important and trending topics in the news. Congregates, analyzes, and summarizes articles, shows social media reaction, and generates links for further reading

Limitless, RBC Next Great Innovator Hackathon Entry   Sept. 2016
- Languages Used: MongoDB, Express, React, Node.js, HTML, CSS, C++
- Web application that enables smart decision-making by owners through monitoring and managing cash flows by providing accurate real time data through a dashboard and employee data through OCR receipt scanning

MathematicaVR, Hack Princeton Entry   Feb. 2015
- Languages Used: C#, Unity, Myo, Occulus, Mathematica
- Virtual reality application that takes a query from user and outputs a 3D model into Unity then displays it onto Oculus Rift which is manipulated with a Myo armband

ACTIVITIES & INTERESTS

Iron Dragons, Paddler   Sept. 2016 – Present
- Trained 10-15 hours a week to compete in Canadian National Championship, placing 2nd place overall in the under 24 division
- Competed in an international competition in Dali, China representing Canada in the 2017 World University Dragon Boat Invitational Race finishing 1st place in Men's 2,000m and 3rd place in Men's 500m

Hack the Valley, Co-organizer / Head Organizer   Sept 2016 – Present
- Co-directed a committee of 40 in all aspects of planning and executing a hackathon including seeking out sponsors, forming leadership positions, managing finances, designing logistics, and reviewing applicants to ensure UTSC's largest hackathon's success

UTSC Computer Science Enrichment Club, Co-founder & Lecturer   Jun 2016 – Jun 2017
- Lectured over 100 students in more than 5 different types of workshops including algorithms, professional development, and coding competitions resulting in student's increased understanding as well as problem solving skills
- Assisted in preparing two teams for ACM-ICPC through advanced algorithm and problem solving lectures