

Kevin (Yu) Fu

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EXPERIENCE

ORACLE ELOQUA | SOFTWARE ENGINEER

Jul 2019 – Present

- Investigated and resolved client escalations. (C#, SQL)
- Completed massive automation catch up across 4 teams. C#, NUnit
- Developed 34 Email Templates to look consistent across 68 email clients. (HTML, CSS, Velocity)

UBER MAPS NAVIGATION | SOFTWARE ENGINEER

Jan 2018 – April 2018

- Reduced route queries by 50% and improved navigation guidance by adding waypoint requests to navigation engine. (Java)
- Researched graph partitioning algorithms to improve route query speed by 18% and storage reduction of 10%. (Java, Python)
- Reduced execution time of an offline graph processing pipeline by 3 hours through implementation of parallelism and concurrency optimized designs.

ESOLUTIONS GROUP | SOFTWARE DEVELOPER

Sep 2016 – Dec 2016

- Reduced website setup time from one day to under 10 minutes by automating database operations. (PowerShell, SQL)
- Developed and deployed 8 websites for large cities and corporations using the company's internal content management system. (.Net, SQL)

KPMG | SR. SOFTWARE DEVELOPER

Jan 2016 – Apr 2016

- Designed an application to improve the tax return preparation process, saving 3 to 5 days of development time per client. (VBA)
- Rebuilt platform to host complex dynamic questionnaire websites that filed tax returns for over 5,000 individuals. (C#, .Net)

PERSONAL PROJECTS

FLOW SOLVING ALGORITHM | PYTHON

May 2017 – Present

- Designed algorithm to solve a phone puzzle game named Flow.
- Reduced search space by contracting edges of the grid based on the clustered points.
- Determined unsolvable stages to reduce width of the search tree.

TETRIS | PYTHON - PYGAME

Aug 2017

- Implemented real time tetris game based on Tetris Battle GUI.
- Emphasized smooth and intuitive game mechanics.

SKILLS

LANGUAGES:

Python • Java • C • C++
C# • PowerShell • JavaScript
SQL • Scheme

TOOLS:

Pygame • Numpy
Linux • Git • Vim

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF COMPUTER SCIENCE

MUSIC MINOR

Graduated April 2019

COURSEWORK

Algorithms
Operating Systems
Numerical Computation
Artificial Intelligence
Machine Learning
Computer Graphics
Concurrent & Parallel Programming

EXTRA CURRICULARS

MUSICAL DIRECTOR:

Musical Director at UWaterloo
A Cappella Club 2016 - 2018

- Lead weekly beatboxing, music theory and sound tech workshops.
- Performed at numerous concerts with over 700 patrons.
- Sound engineered for several concerts.

Conductor at St. Cecilia's Youth
Orchestra 2013 - 2016

- Three years of conducting experience.
- Built spreadsheets tools to organize and streamline executive tasks.

HOBBIES:

Skiing • Badminton
Martial Arts • Music
Barber