Kevin Xing

Bachelor of Computer Science – University of Waterloo

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SUMMARY OF QUALIFICATIONS

- A passion for learning and applying knowledge towards building useful and high-quality products
- Strong adaptive, collaborative, and analytical thinking skills established from working in professional agile environments, participating in hackathons, and working on personal and academic projects
- Experience from over 5 years of personal and academic software engineering, 2 years professional
- Proficient in: Python, C, C++, C#, JavaScript, Lua, Scala
- Familiar with: Go, PHP, R, Bash/Unix, Java

EXPERIENCE

Vida Health | *Software Engineer, Infrastructure*   *Sept 2018 – Dec 2018*

- Implemented new backend microservices and APIs with Python and Flask, PostgreSQL
- Built and deployed microservices with Docker, Kubernetes, Google Cloud Platform, and Helm
- Fixed bugs and refactored code for legacy backend repositories

Electronic Arts | *Associate Software Engineer, UFC 3*   *Sept 2017 – Apr 2018*

- Created a C++ service for the game that enables frontend to call controller rumble functions
- Implemented game modes, menu logic, and general bug fixes in Lua
- Worked with Technical Artists to add new UI elements, animations and art assets using ActionScript and Lua

Digital Extremes | *Data Scientist*   *Jan 2017 – Apr 2017*

- Implemented data collection for the Warframe launcher using C++ on the client-side, along with PHP and MongoDB for the API on the server-side
- Added stat tracking for new gameplay features in Warframe using Lua to collect behavioral metrics
- Handled requests and solved various data-driven problems presented internally by departments such as Marketing, Design, Gameplay, etc.
- Analyzed collected data using Python, R, and Excel
- Collaborated on the design of a recommendation system for Warframe's in-game item shop

RELEVANT PROJECTS

JoosBox – Java 1.3 to x86 Assembly Compiler   *Jan 2019 – Mar 2019*

- A compiler written in Scala that takes Joos 1W (a modified version of Java 1.3) and generates x86 machine code
- Written in a group of three for CS 444 Compiler Construction, 1 of 5 compilers in class to pass all tests

Discord Pasta   *Dec 2017*

- A Discord chat bot written in Python that allows users to create and execute text macros

GitLab Alerts for Slack (slack-gitlab)   *Sept 2015*

- A Node.js app that uses Slack API and MongoDB to notify users when committed changes have been made to repositories they have access to on GitLab

EDUCATION

University of Waterloo, Class of 2019 - Waterloo, Ontario, Canada   *Sept 2014 – June 2019*

- Candidate for Bachelor of Computer Science, Honours Computer Science, with Economics Minor
- Recipient of the President's Scholarship of Distinction
- UW Game Development Club, Sept. 2014 – Present
- UWaterloo Overwatch Team, Top 16 - TESPA Collegiate Series, Oct. 2016 – Dec. 2016