

# Kevin Xing

4A Honours Computer Science

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## SUMMARY OF QUALIFICATIONS

- Strong adaptive, collaborative, and analytical thinking skills established from working in professional agile environments, participating in hackathons, and competing in collegiate e-sports
- Experience in programming from over 4 years of personal, academic, and professional software development
- Proficient in: Python, C, C++, C#, JavaScript, Lua, Racket
- Familiar with: Go, PHP, R, Bash/Unix, Java

## EXPERIENCE

### 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 | Statistical Programmer

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

### Autodesk | Software Developer

May 2016 – Aug 2016

- Collaboratively developed graphics, front-end, and application framework libraries in JavaScript for standardizing web application development within the company
- Prototyped sample applications and implemented features for cloud-based digital manufacturing software using above-mentioned frameworks

### BlackBerry Limited | Software Developer

Sept 2015 – Dec 2015

- Developed Slack integration using Node.js, MongoDB and AngularJS allowing users on Slack to manipulate and monitor files hosted on the cloud-based secure file-sharing service WatchDox
- Prototyped proof of concept applications using various languages such as C#, Go, and Python

## RELEVANT PROJECTS

### Discord Pasta

Dec 2017

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

### Fantasy Football Analytics

Dec 2016

- A series of data collection and analysis scripts in R, using data scraped from FootballDB.com for predicting NFL player performance and practicing data science skills

### 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 - Present

- 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