

# Kevin Xing

4B Honours Computer Science – Graduating May 2019  
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## SUMMARY OF QUALIFICATIONS

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- 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 projects
- Experience in programming from over 5 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

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- Vida Health** | *Software Developer, 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** | *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

## RELEVANT PROJECTS

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- 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

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- 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