Kevin Jin

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Work Experience

Ultimate Software | *Software Engineer*　　　　　　　　　　　　　　　May 2019 — August 2019

- Led the design and implementation of a new framework for gathering application metrics regarding service level objectives using **Python**, **Telegraf**, **InfluxDB**, and **Grafana**.
- Implemented the collection of directory upload metrics using this framework to determine the availability and latency of the service
- Built a terminal application to give developers access to production logs, while masking personally identifiable information using **spacy**

Vidyard | *Full-Stack Developer*　　　　　　　　　　　　　September 2018 — December 2018

- Built a new IP Exclusions feature using **Vue** and **Rails**, giving customers the ability to filter out data from specific IP addresses/ranges that could interfere with their data analytics
- Implemented a live chat application with phone and video calling capabilities using **Socket.IO** and **WebRTC** to enhance the company's existing GoVideo platform

Nokia | *Software Developer*　　　　　　　　　　　　　　　　　January 2018 — April 2018

- Improved team productivity by **20%** through building a Usage Tool to periodically publish statistics about dependencies of **100+** repositories; utilized by the entirety of the core components team in order to identify if defects were a result of applications being outdated
- Enhanced **20+** existing **React** components by fixing defects and adding functionality, including the ability for the QA team to perform automated tests

Finastra | *QA Analyst*　　　　　　　　　　　　　　　　　　May 2017 — September 2017

- Increased efficiency by **50%** by using a combination of **C#**, **SQL**, and **Informatica** to automate the process of extracting information from **13** different file formats

Projects

UWScheduler *React* ⌂　　　　　　　　　　　　　　　　　　　　　　　　June 2019

- Published a web application (**uwscheduler.com**) to create the best schedules for a University of Waterloo student
- Used the **University of Waterloo API** to generate schedules, as well as **Google Maps** and **RateMyProfessors APIs** to calculate a rating for each schedule
- Allows user to import their schedules directly from Quest, edit schedules based on their preferences, as well as view them using **FullCalendar** and **ChartJS**

NotePal *Javascript, Firebase, Heroku* ⌂　　　　　　　　　　　　　　　September 2018

- Developed a **React** web application to convert and process handwritten notes to editable text using machine vision from **Google Vision API**
- Utilized **Google Translate API** and **Bing Spell Check API** to allow users to translate and spell check their uploaded notes

Wikipedia Game Bot *Python (Flask), JavaScript* ⌂　　　　　　　　　　　September 2017

- Created an application to traverse from one Wikipedia page to another as quickly as possible
- Designed an algorithm using **Datamuse API** to determine the level of proximity between two words
- Used **ChartJS** to create a visualization of the path between pages

Awards

Dean's Honours List　　　　　　　　　　　　　　　　　　　January 2017 — Present
University of Waterloo Faculty of Mathematics Scholarship　　　　　　September 2016

Skills

Languages:　　　　　JavaScript, C, C++, C#, Python, Ruby, SQL, Racket, Turing
Frameworks/Tools:　　React, Redux, Vue, Vuex, Rails, Node.js, MongoDB, jQuery, Sass

Education

University of Waterloo, Bachelor of Computer Science　　　　September 2016 — Present