

KAI LIN

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157 Yellowstone Dr, Charlottesville, VA

EDUCATION

University of Virginia School of Engineering and Applied Science 08/2019 - 05/2021

- **Degree:** M.S. in Computer Science
- **GPA:** 3.92
- **Honors:** Academic Excellence Fellowship (2019 – 2020)

Beijing University of Posts and Telecommunications (BUPT) 09/2015 - 07/2019

International School, joint with **Queen Mary, University of London (QMUL)**

- **Degree:** BSc (Eng.) with First Class Honors, Telecommunications Engineering with Management
- **GPA:** 3.76
- **Honors:** Outstanding Undergraduate Student (2019), Merit Student (2016 – 2018)
First-class Scholarship (2017), Second-class Scholarship (2016, 2018)

SKILLS

Programming Languages: Advanced in Java and Python | Proficient in C++, C, SQL, TypeScript, HTML and JavaScript

Frameworks and Tools: AWS, Linux, Tomcat, Git, Django, Angular, Flask, Jira, Confluence, Bitbucket

Databases: MySQL, MongoDB, SQLite, PostgreSQL

WORK EXPERIENCE

eBay Inc. | Software Engineer 2 02/2021 - Now | San Jose, CA, US

- Developing Node.js application platform under core technology, infrastructure team

University of Virginia | Research Assistant 09/2020 - 12/2020 | Charlottesville, VA, US

- Supervised by Prof. Craig H. Meyer and Prof. Xue Feng
- Developed multiple medical-related software

Carina Medical LLC | Software Engineer Intern 05/2020 - 08/2020 | Lexington, KY, US

- Tech stack: **Django Rest Framework**, **AngularJS**, and **MongoDB**
- Co-designed and developed a generic CT/MRI four-panel image viewer for Dicom / Nifti format.
- Co-designed and developed QuantLung, an automatic quantitative analysis for multiple lung conditions.
- Developed COVID-19 clinic assistance website
- Support patient and study management, CT, MRI lung image auto segmentation, and clinical data integration

University of Virginia | Teaching Assistant, CS 6316 Machine Learning 01/2020 - 05/2020 | Charlottesville, VA, US

- Helped the professor to redesign and optimize the course slides and homework
- Worked with the other TA to set up homework grading policy and tutored student about course contents as well as general machine learning techniques

PROJECT EXPERIENCE

Medical Supplier Donation System 03/2020 - 05/2020

- Developed an effective medical resource management, distribution system facing large scale public health crisis
- Implemented database schema contains 13 tables and corresponding website using **Vue.js**, **Flask** and **MySQL**

Stereotypical Suggestions in Image Search Engines 10/2019 - 12/2019

- Constructed 300 stereotype profiles based on current literature and Reddit data using **Python** and **NLP**
- Applied auto stereotype searching to three main Image Search Engines using the constructed stereotype profiles and person identifier with **Node.js** and **Puppeteer**
- Found an average of 4% of search suggestions match stereotype profiles and more than 300 count of stereotypical suggestions based on static analysis on HTML Dom of the results pages

Smart Alarm Clock Using Arduino Yun 11/2018 - 06/2019

- Constructed an IoT smart alarm clock for senior Thesis project with **Arduino Yun**
- Implemented the user website and smart alarm clock function using **Python Bottle framework**
- Implemented the central server using **Java Servlet and MySQL** in AWS