

Kerry Liu

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EMPLOYMENT

Amazon

August 2017 - Present

Software Development Engineer

- Built a system for notifying and deregistering resellers from Amazon Business.
- Worked on a framework which streamlines the process of productionizing ML models.
- Designed and prototyped a website for managing the inventory of office supplies.
- Helped develop and maintain a service which helps businesses purchase products in bulk.

CDM Princeton

June 2016 - August 2016

Software Developer Intern

- Constructed and maintained AngularJS based websites for healthcare companies.
- Used React Native to develop a cross-platform application to help patients track their symptoms.
- Experimented with face-tracking and image manipulation for a smartphone application.
- Created an Express.js based REST API to interface between two services.

Aumed Group Corp.

July 2015 - September 2015

Embedded Engineer Intern

- Wrote and implemented microprocessor code in C for a handheld video magnifier.
- Tested and debugged code for embedded devices designed to aid the visually impaired.
- Helped distribute and market products to people with disabilities.

EDUCATION

Rutgers University

B.S. in Electrical & Computer Engineering

New Brunswick, NJ

August 2013 - May 2017

PROJECTS

Upscaling Video With Neural Networks

Python, Spark, FFmpeg, AWS

- High quality upscaling of low resolution videos using convolutional neural networks.
- Utilizes AWS for scaling and workload distribution.

Request Classifier

JavaScript, Python, React, MongoDB

- Categorizes sentences based requests using natural language processing.
- Trained using data gathered from Reddit posts and comments.
- Flexible back-end service allowing for various front-end user interfaces.
- Responsive website for browsing categories and submitting requests.

Linux Hardware Monitor

C++, GTK, lm-sensors

- Monitors and records computer health sensors such as voltage, temperature, and fan speed.
- Simple and intuitive user interface to display all readings using dynamic lists and graphs.

SKILLS

Languages: Java, JavaScript, HTML, CSS, C, C++, C#, Python, Bash, SQL, MATLAB

Frameworks: Guice, Spring, React, React Native, AngularJS, Express.js, Flask, OpenCV, CUDA

Other: AWS, Docker, Git, Node.js, Linux, Vim