Yitong Wu

Contact

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Objective

Looking for an intern position as a software engineer to apply software development skills. Willing to relocate.

Education

University of California, Irvine Irvine, CA
Bachelor of Science in Computer Science September 2014 - March 2018

New York University New York, NY
Master of Science in Computer Science September 2018 - May 2020 (expected)

Skills

Languages: Javascript, Python, Java, C++, C, Swift, Typescript, HTML, CSS, Dart
Databases: MySQL, MongoDB, Redis
Frameworks: Node.js, Angular, React, Redux, Express, Django, Flask, Koa2
Tools: git, Docker, VirtualBox, Nginx, Flutter, Tensorflow, Unity, AWS, Apache Tomcat, Firebase, Latex, Qt

Experience

Software Engineer Intern June 2017 to September 2017
AGGIOS Irvine, CA

- Reduced generation time by over 30% by implementing an error-checking mechanism to detect cyclic dependency in linear time (**C++, C**)
- Delivered over 5% time savings to developers by implementing new shortcut features for EngerlyLab IDE (**Qt**)

Projects

Tap News June 2018 - Present

- Built a single-page web application for browsing news (**React, Redux, Node.js, Express, Firebase**)
- Implemented a data pipeline that obtains, scrapes and deduplicate the latest news (**Python, MongoDB, Redis, RabbitMQ, Scrapy, sklearn**)
- Designed and trained a neural network model for classifying news (**Tensorflow, Keras, CNN, LSTM**)
- Deployed a backend server with RPC API for classifying news using the trained model (**Python, RPC, RabbitMQ**)
- Integrated reversed proxy and data analytic tool into the system (**Nginx, Apache Zeppelin**)
- Deployed the entire application stack with docker compose (**Docker**)

Collaborative Online Judge January 2018 - May 2018

- Built a single-page web application for solving coding problems (**Angular, Auth0, Node.js, Express, MongoDB**)
- Implemented a web-based collaborative code editor that supports multiple uesrs to edit simultaneously (**ACE, Socket.io, Redis**)
- Deployed a backend server that executes the code snippet submitted by users (**Docker, Flask**)
- Refactored and improved the system throughput by decoupling services using RESTful API and loading balancing with Nginx (**RESTful API, Nginx**)
- Deployed the entire application stack with docker compose (**Docker**)