Kelvin Hu

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Profile	Enthusiastic Software Engineer offering 1+ years in Full-Stack Development. Quickly learn and master new technologies and stay determined in the face of obstacles. Enjoy working in team settings and collaborating with people from diverse backgrounds.

Education

2013 – 2017 New York University Shanghai — Shanghai, China
Bachelor of Science in Computer Science, Cum Laude

2017 – 2018 Cornell University — Ithaca, NY, USA
Master of Engineering in Computer Science

2020 – 2021 Imperial College London — London, UK
Master of Science in Finance

Work Experience

2019 Software Engineer, Uber Technologies Inc — Pittsburgh, PA, USA
- Focused on building a geospatial web application called Map Maker with React and Redux to support users in labeling maps and creating map features for self-driving cars
- Implemented a traffic light labeling tool that can triangulate the physical position of traffic light objects using camera images taken from multiple angles
- Built a verification panel to generate interactive error reminders during user editing and automatically run geometric tests to ensure accuracy when saving map features
- Developed a snapping algorithm to optimize user efficiency and conducted A/B experiments to see a reduction in production time of more than 50%

2018 Software Engineer Intern, Uber Technologies Inc — Pittsburgh, PA, USA
- Implemented a panorama viewer with React and WebGL to stitch together camera images taken by the cameras of self-driving cars for users to gain a contextual understanding of the physical environment and facilitate the map-making process

2017 Front-End Developer Intern, Energo Labs — Shanghai, China
- Developed reusable UI components to visualize transactions data with React for the online management portal of the company's peer-to-peer electricity exchange platform

Skills

Front-End Development: React, Redux, HTML, CSS, Sass, D3, WebGL
Back-End Development: Node.js, Express, MySQL, MongoDB
Data Science: PyTorch, Numpy, Pandas, Keras, Spark
Programming Languages: Python, JavaScript, Java, Scala, C++

Projects

Available on personal website

Extracurriculars

Student Ambassador of New York University Study Abroad Program (2016)