

# Siyuan (Kelvin) Hu

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## Profile

Enthusiastic Software Engineer with expertise in Web Development and Data Visualization. Offering 1+ years of experience in full software development lifecycle. Quickly learn and master new technologies and enjoy working in both team and self-directed settings.

## Education

2017-08 – 2018-12

Cornell University  
Ithaca, NY  
Master of Engineering in Computer Science

2013-08 – 2017-05

New York University Shanghai  
Shanghai, China  
Bachelor of Science in Computer Science

## Experience

2019-11 – 2020-03

Blockchain Developer, Dipole Tech  
Shanghai, China

Implemented Ethereum smart contracts using Solidity to provide data access and integrated a React-based content management system with Ethereum smart contracts using Web3 to read and write electric meter data.

2019-03 – 2019-11

Software Engineer I, Uber Advanced Technologies Group  
Pittsburgh, PA

Worked under the AVMaps Applications team and focused on building geospatial web tools that enable geo-specialists to produce high-definition maps for self-driving cars. Used React/Redux as the front-end architecture, DeckGL for graphics rendering, and NebulaGL for geometric editing. Other development tools include Jest and Apache Cassandra.

2018-05 – 2018-08

Software Engineer Intern, Uber Advanced Technologies Group  
Pittsburgh, PA

Designed and implemented map production web tools for geo-specialists, such as the street-level panorama panel using camera images taken by the in-vehicle cameras and the traffic light labeling tool to collect data for triangulation. Used development tools such as React, MySQL and Jest on regular basis.

2017-01 – 2017-04

Front End Developer Intern, Energo Labs  
Shanghai, China

Developed a management portal using React for a distributed peer-to-peer energy exchange platform to monitor electric meter data, manage user data, and visualize internal business data.

## Skills

Front End Development: HTML5/CSS3/React/Redux/Webpack/Sass/WebGL2  
Back End Development: Node.js/Express/MySQL  
Data Science: D3/Numpy/Pandas/PyTorch/Keras  
Programming Languages: JavaScript/Python/Java