

# 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          | Cornell University<br>2017-08 – 2018-12<br>Ithaca, NY<br>Master of Engineering in Computer Science  |
|                    | New York University Shanghai<br>2013-08 – 2017-05<br>Shanghai, China<br>Bachelor of Science in Computer Science   |
| Experience         | Blockchain Developer, Dipole Tech<br>2019-11 – 2020-03<br>Shanghai, China<br>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.  |
|                    | Software Engineer I, Uber Advanced Technologies Group<br>2019-03 – 2019-11<br>Pittsburgh, PA<br>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. |
|                    | Software Engineer Intern, Uber Advanced Technologies Group<br>2018-05 – 2018-08<br>Pittsburgh, PA<br>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.                                   |
|                    | Front End Developer Intern, Energo Labs<br>2017-01 – 2017-04<br>Shanghai, China<br>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<br>Back End Development: Node.js/Express/MySQL<br>Data Science: D3/Numpy/Pandas/PyTorch/Keras<br>Programming Languages: JavaScript/Python/Java  |
| Work Authorization | Sponsorship required; H-1B cap exempt from previous employment  |