Alexander Leigh

Software Engineer
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Profile

A software engineer and musician who leverages knowledge of different technologies to create well-integrated, scalable and elegant solutions to difficult problems and who possesses a constant desire to keep learning

Skills

Languages: JavaScript, Python, HTML, CSS
Front-End: React, Redux, AngularJS, Ionic, React Native, Bootstrap
Back-End: Node.js, Express, Koa.js, Flask, REST, Sequelize
Databases: MySQL, PostgreSQL, DynamoDB
Version Control: Git
AWS: EC2, Lambda, RDS, Cognito, S3

Work Experience

WaiveCar | Node.js | Koa.js | React | MySQL | Ionic | AngularJS |
Software Developer **waive.car**
The world's first free car sharing service May '18 - Present
- Owned and built new features including (but not limited to):
  - A system for users to lend out their driveways for our cars
  - Integration with an external license checking API
  - A data analysis tool that gives internal ratings to our users based on their driving habits
  - A revamped system for reporting damage to our cars with pictures
- Worked directly with the CTO to improve stability, scalability and usability of all parts of our system including the mobile apps, API and website
- Contributed to discussions about new features for our software and the future and direction of the company

Projects

ml-sandbox | Node.js | React | Redux | Flask | scikit-learn | PostgreSQL |
Educational app that demos uses of machine learning for students
- Implemented handwriting recognition, housing prices prediction and voice recognition demos
- Used various datasets to train classifiers which are integrated into a REST API
- Spearheaded AI / Machine Learning curriculum

LocalHost | React | Node.js | Socket.io | PostgreSQL |
App for connecting travellers with locals
- Built a platform allowing travellers to find locals in their location and chat with them
- Architected database and REST API for storing user data, messages and conversations
- Set up real-time chat between users

Education

Hack Reactor | Advanced Software Engineering Immersive 2017
Indiana University | B.M. in Violin Performance 2008-2013

Interests

Playing Guitar, Punk Music, Cycling, Linguistics, Cooking, Animal Welfare, Nintendo, Travel, Industrial Design, Science Fiction