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Kevin Chien

Education

University of California, Berkeley

Aug 2016 - May 2020

B.S. in Electrical Engineering and Computer Science (GPA: 3.746)

Courses: Algorithms (170)
   Data Structures (61B - Java)
   Discrete Math & Probability (70)

Artificial Intelligence (188)
Database Systems (186)
Intro to Data Science (C8)

Computer Architecture (61C - C)
Software Engineering (169 - Rails)
Computer Programs (61A - Python)

Experience

Hotwire, Inc. (Expedia Group) Software Development Engineer I (June 2020 - Present)
- Backend engineer for Java Spring service-based architecture handling all hotel searches, working with legacy codebase, writing unit tests and BDD's, and designing implementations to be maintainable
- Developed an efficient algorithm in Python for finding guaranteed hotels, now used in every search
- Developed a Spring job for multithreaded SQL transactions to regularly update data for 360,000 hotels

Hotwire, Inc. (Expedia Group) Software Development Engineer Intern (June - August 2019)
- Built new Java Spring Boot REST microservice for hotel room availabilities and prices
- Refactored and investigated legacy code, designed new classes, and set up Jenkins pipeline

Learning Traffic Lab Undergraduate Researcher (Sept 2018 - May 2019)
- Maintaining Flow, an open-source Python framework for deep RL in autonomous vehicles and performing experiments to improve traffic, collecting data and implementing algorithms
- Developed Node Express.js web application and filesystem database API to display a dynamic leaderboard using EJS and integrate with a solution submission pipeline

Faraday Technology Software Development Intern (June - July 2018)
- Developed IntelliJ plugins using Java and Swing UI wizard
- Built a scheduling UI and cron parser with JS, JQuery, Bootstrap for building and editing cron strings

Pioneers in Engineering Web PM / Developer (2016 - 2018), Software Developer (2016 - 2017)
- Developed http://pioneers.berkeley.edu and project managed team to deliver features
- Trained new developers to use Jekyll, Github, Javascript, Bootstrap
- Developed UI and features for robot-interfacing desktop IDE app using React, Redux, ES6, Electron

Skills

Programming Languages: Python, Java, JavaScript, Ruby, C, SQL, HTML, CSS
Front End: React (ES6), Redux, JQuery, Angular, EJS, HAML, ERB, Bootstrap, SASS
Back End: Node, Express.js, Ruby on Rails, Java Spring, Oracle SQL / MySQL, Java Spring, AWS EC2
Data/ML: NumPy, matplotlib, Apache Spark, Ray/RLlib, Sklearn
Other: Git, Testing Libraries, Build Tools (Jenkins), Travis CI, UNIX, Windows, VM / Docker

Projects

MultiMeet Demo MVP | CS 169 Pro Bono Project (February - May 2019)
- Built Ruby on Rails app in a team of 6, handling FE, BE, and SQL database design & development
- Drove team of 6 engineers to succeed and deliver via Agile Scrum sprints and meetings