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Kevin Chien

Education
University of California, Berkeley
B.S. in Electrical Engineering and Computer Science (GPA: 3.712)   Aug 2016 - May 2020
Coursework: Algorithms and Intractable Problems, Artificial Intelligence, Data Structures and Algorithms,
Database Systems*, Discrete Math & Probability, Computer Architecture, Foundations in Data Science
*in progress

Experience
Faraday Technology Software Development Intern   June-July 2018
‣ Developed IntelliJ plugins, featuring a UI for code generation for usage of internal Java libraries and a
  template generator for Java Spring web applications
‣ Upgraded a Angular 4 web application to Angular 5 and Angular 6, fixing dependency conflicts and bugs,
  and analyzing speed improvements in Angular's new compiler
‣ Built a UI and parser for editing cron expressions using JQuery and Bootstrap, and integrated it with a Spring
  web app using JSP, Ext JS grid, Oracle SQL for managing a list of cron schedules

Pioneers in Engineering Website - Project Manager (1 year), Maintainer/Dev (2+ years)   Aug 2016 - Present
‣ Oversaw team and developed content and styles for http://pioneers.berkeley.edu to convey content for
  potential sponsors, 300+ students, and 24 high schools per season
‣ Trained and managed team of 7 to redesign and implement 10+ pages of content using HTML, SCSS, Jekyll,
  JQuery, Bootstrap, and Github to provide responsive content, reviewing pull requests

Pioneers in Engineering React UI Software Developer (1 year)   Aug 2016 - May 2017
‣ Developed as part of a team a cross-platform desktop app using React, ES6, Redux, and Electron for
  students in our competition (300+ annually) to use to program and control robots
‣ Built UI features, including code editor preferences, cached settings, robot status indicators, animated
  tutorial, file I/O operations and Mocha unit tests

Additional Projects
SQL-Like Interpreter | Data Structures Project   March 2017
‣ Designed and built a SQL-like relational database management tool with Java OOP using Git in a team of 2.
‣ Developed table read, select, join, and conditionals operations, and wrote JUnit tests.

BearMaps | Data Structures Project   April 2017
‣ Built the Java back-end REST API of a Java Spark web app that handles image delivery for map queries.
‣ Implemented A* search for shortest directions from any start to any destination, and autocomplete with tries.

Yelp Naive Bayes Predictor | Computer Architecture Project   March 2018
‣ Built Naive Bayes predictor for Yelp stars from words using Python, Apache Spark, and MapReduce.

Other Work / Volunteer Experience
UC Berkeley EECS Department / DSEP
EECS Tutor/ ASE (Paid): Taught circuit analysis, linear algebra, and iPython in labs and OH   Fall '17
EECS Academic Intern: Taught in offices hours and labs for Data Structures.   Spring '18
DSEP Associate: Developed auto-graded iPython notebooks and taught statistics and NumPy.   Spring '18

Skills
Programming Languages: Python, Java, JavaScript, C, SQL, RISC-V
Web Dev: React.js, JQuery, Jekyll, SCSS, Angular, Bootstrap, Express.js, Java Spring
Data Science: NumPy, matplotlib, Apache Spark, Data Inference, Data Visualization
Software: Git, Node, IntelliJ, Redux, ES6, Electron, JUnit, Mocha, Travis CI, OpenMP, SIMD, Unix, Windows
Other: IntelliJ SDK, Java Swing, LaTeX, Gulp, Ant, Docker