

Omid Rooholfada

github.com/omeshomes · omidrooholfada.com · linkedin.com/in/omidrooholfada
omid.rooholfada@yale.edu · 858-472-8082

EDUCATION

- **Yale University** New Haven, CT
BS; Mathematics and Computer Science (Double Major) *Aug 2016 – May 2020*
 - **Selected Courses:** Computer Networks, Data Mining and Machine Learning, Abstract Algebra, Vector Calculus, Systems Programming and Computer Organization, Parallel Programming Techniques, Algorithms, Discrete Mathematics

EXPERIENCE

- **Optimizely** San Francisco, CA
Software Engineer, App Backend *Jun 2018 - Aug 2018*
 - Implemented leaked-password security check for ISO Compliance
 - Leveraged Apache Airflow to build a PCI-compliant ETL pipeline to migrate database of 500 million leaked passwords
 - Patched an error in authentication API, reducing server 500 errors by 91%
 - Tech stack: Python, Google Cloud Platform, AWS, Apache Airflow, Docker
- **Yale Computer Science Department** New Haven, CT
Teacher's Assistant for CS365: Design and Analysis of Algorithms *Jan 2018 - May 2018*
 - Led weekly office hours for class of over 100 students
 - Graded assignments and exams; wrote grading rubrics with professor
- **Code Haven** New Haven, CT
Co-President, Curriculum Director *Aug 2016 - Present*
 - Leading 30 Yale undergrads to teach computer science to over 200 students in 13 New Haven middle school classrooms
 - Co-wrote a 15-week intro CS and app development curriculum leveraging Scratch and App Inventor
- **Horizons School of Technology** San Francisco, CA
Summer Fellow *May 2017 - Aug 2018*
 - Fullstack development bootcamp covering React, React Native, Redux, Express, and MongoDB; less than 1% acceptance rate.

TECHNOLOGIES AND AWARDS

- **Backend:** NodeJS, C, C++, Python, MongoDB, SQL, Google App Engine, OpenMP, CUDA, TensorFlow
- **Frontend:** React, React Native, Redux, Webpack, jQuery, Bootstrap, Sass
- **Selected awards:** USAMO top 75% percentile, TedX RB High speaker, AngelHacks 2017 Finalist

TECHNICAL PROJECTS

- **Walnut, social network for university students** github.com/mkinoshi/walnut
 - React-Redux frontend framework with React Router for client-side routing. Managed dependencies with Webpack, used UglifyJS to decrease bundle sizes.
- **Vibe, music recommendation engine** github.com/omeshomes/Vibe
 - Given an image, applies a recommendation algorithm, leveraging computer vision and word2vec to select an appropriate Spotify playlist. iOS app with React Native/Python Flask framework.
- **Outfit, A/B testing for fashion** github.com/omeshomes/outfit
 - Users post a pair of outfits, and other users vote on the winner in the pair. Mobile app in React Native/Express/MongoDB framework. Designed mockups in Sketch and Invision. Finalist at AngelHacks Silicon Valley 2017.