

DANNY CHO

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Education

University of California, Santa Barbara

- Bachelor of Science in Computer Science, GPA: 3.95

Expected May 2020

Dean's Honors (Engineering)

Employment

Appfolio, Software Engineer Intern

June 2017 – September 2017

- Working with the product development team to create web application solutions using Ruby on Rails during Summer 2017

Smart RG Inc, Software Engineer Intern

Nov 2016 – April 2017

- Utilized JUCI/Angular.js to Integrate Net data in the dashboard and display WAN status updates
- Wrote bash scripts to rearchitect and configure JUCI's Linux package management system (Contributed to JUCI open source)
- Implemented multiple language localization using GNU's gettext package and JUCI's package management system
- Created a customizable theme interface, improved UI, and debugged router configuration settings in the Smart OS GUI

Projects

(More at <http://dannycho.net/projects>)

Express-form-post – Published at: <https://www.npmjs.com/package/express-form-post>

May 2017 - Present

Node.js, NPM, AWS SDK (S3), Dropbox API, Mocha, Busboy

- Node.js module that handles validating request bodies before upload and file uploading to Disk, AWS-S3, or Dropbox storage API
- Uploads to endpoints by piping streams and handling edge cases, making it a very fast and memory efficient file uploading system
- Received 2000 downloads within the first month, wrote unit tests through Mocha, and maintained documentation

Route pen - <https://github.com/Routepen/ridelink>

April 2017 - Present

Node.js (Express), Google Maps API, Passport.js, MongoDB, React.js

- Created a ridesharing solution that makes searching for rides better by aggregating data into one central platform (team of 3)
- Setup up backend and worked on route optimization algorithm/matching along with user signup flow

Productivity InFocus - Published at: <http://bit.ly/2IZAq>

Feb 2017 – May 2017

JavaScript, Chart.js, YouTube SPF API, Chrome ext. APIs, HTML/CSS

- Productivity InFocus is a chrome extension that prevents procrastination by alerting users when they're off task
- Scraped YouTube and Facebook to hide content and provided data analytics based on user activity

Percept - Awarded Best UX Hack by Disney Tech at LA Hacks 2017 (<https://goo.gl/v5JePD>)

March 2017 - April 2017

Node.js (Express), JavaScript, Flickr API, Microsoft Computer Vision API, Datamuse API, Google Maps API

- Web app that provides users with inspiration for their next great photo using relevant photos based on specified locations & tags
- Set up backend server and routes to send and interpret asynchronous API calls and render content onto the client's DOM
- Integrated the Flickr and Microsoft's Computer Vision API to analyze photos and generate tags for the response

Skills

Programing Languages: JavaScript, C++, Java, Ruby, PHP, Python

Web Technologies Node.js, Rails, Laravel, MongoDB, MySQL, PostgreSQL, React.js (Redux), HTML, CSS

Other: Git, Unix/Linux, Bash, Heroku, Mocha (Unit testing)

Involvement

SB Hacks, Co-Director/President & Developer Team Lead

Oct 2016 - Present

- Organized SB Hacks at UC Santa Barbara which hosts 450 students annually for a 36-hour hackathon (SB Hacks III and IV)
- Full stack web development utilizing Node.js, MongoDB, and PostgreSQL (temporary site hosted on heroku: <http://sbhacks.com>)
- Led organizing team of 20 and development team of 4 to coordinate with companies and students for a \$50,000 budget event

Coders SB, Officer & Tech Chair

Nov 2016 – Present

- Host web development & career workshops for students to catalyze their interest in practical applications of Computer Science

ACM, Officer & Industry Chair

Jan 2017 – Present

- Compete in ICPC and connect students to industry events and host workshops to aid in career development