

Andrew Gu

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College Park, MD • Cupertino, CA

Education

University of Maryland,
College Park

Major: Computer Engineering

Class: Spring 2018

Languages

Javascript / Coffeescript

Ruby

Java

C

PHP

Matlab

Y86 Assembly

Verilog

HTML5 / CSS3

Frameworks/Technologies

Node.js

Ruby on Rails

Ember.js

React.js

Angular.js

Backbone.js

Elasticsearch

Git

Databases

MySQL

MongoDB

PostgreSQL

Electronics

Arduino

PSPICE

Experience

Research Assistant

Sept. '16 - Present

UMD Radiation Facilities

Junior Engineer

Sept. '15 - Jan. '16,

June '16 - Aug. '16

FiscalNote - Washington, DC

>> Built various features and bug fixes with Ember.js on the front end Ruby on Rails as the API.

>> Wrote Elasticsearch queries to filter out bills from amendments and built UI filters based on the queries.

>> Worked on making the app more accessible for visually impaired by adding context to images, links, and icons. Also applied ARIA attributes as necessary.

>> Built various features that involved exporting data to CSV and XLS formats.

>> Worked on a team of 5 to build a version of FiscalNote for the European Union for our intern hackathon.

Software Engineering Intern

June '15 - Aug. '15

AppCow - New York City

>> Developed a recommendation engine using PHP and the 42Matters API to deliver a personalized list of mobile apps.

>> Worked in a team of 3 to rebuild entire backend API in Node.js and MongoDB.

Software Developer

June '15 - Aug. '15

Fusion Ventures - Maryland

>> Built a frontend for Fusion Venture's Beat the Brain challenge that allowed users to submit trades to compete against each other and the internal algorithm.

>> Worked on integrating the E-Trade API in PHP to allow users to automatically submit trades to the stock market.

Web Development Intern

June '14 - Aug. '14

MyWebRoom - San Francisco, CA

>> Rewrote entire testing suite in Ruby on Rails with RSpec and Capybara.

>> Improved Wordpress blog by reducing load times, redirecting blog to load through Cloudflare, and redirected blog URL to improve SEO through HTTP rules on Apache.