

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

Systems

Linux (Ubuntu, Arch)
OSX
Windows

Experience

Research Assistant
UMD Radiation Facilities

Sept. '16 - Present

Junior Engineer
FiscalNote - Washington, DC

Sept. '15 - Jan. '16,
June '16 - Aug. '16

>> 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 Fiscal-Note for the European Union for our intern hackathon.

Software Engineering Intern
AppCow - New York City

June '15 - Aug. '15

>> 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
Fusion Ventures - Maryland

June '15 - Aug. '15

>> 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
MyWebRoom - San Francisco, CA

June '14 - Aug. '14

>> 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.