

# Andrew Gu

andrew@mingbogu.com  
http://mingbogu.com  
github.com/andrewgu12  
College Park, MD • Cupertino, CA

## Education

University of Maryland,  
College Park

**Major:** Computer Engineering

**Minor:** Physics

**Class:** Spring 2018

## Languages

Javascript / Coffeescript

Ruby

Python

Java

C

PHP

Matlab

Verilog

HTML5 / CSS3

## Frameworks/Technologies

Node.js

Ruby on Rails

Ember.js

Angular.js

Backbone.js

Git

## Databases

MySQL

MongoDB

PostgreSQL

## Electronics

Arduino

PSPICE

## Experience

### Junior Engineer

Sept. '15 - Jan. '16

FiscalNote - Washington, DC

Used Ember.js to write new features and fix numerous UI and UX tickets to improve functionality of the app. Rebuilt discovery panel to give users a real time view of their settings and various graphs with Highcharts.

### Webmaster

May '15 - Present

UMD CSA - College Park, MD

Designed and built a new site for CSA with Ruby on Rails and Angular.js. Site allowed users to get more information on the club and register as a member to receive emails from the club. An admin backend is currently being built to let officers easily update the site.

### 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.