

Education

Columbia University - Barnard College

B.A. Biological Sciences - Biomedical Engineering

Sep 2009 - May 2013
GPA 3.3

Coding Dojo

June 2015 - September 2015

3.5 months intensive coding bootcamp teaching MEAN stack, Ruby on Rails, and LAMP stack. Obtained the highest level of achievement as a double blackbelt.

Work Experience

Kryptnostic, Inc: Front-end Engineer

Jan 2016 - Jun 2016

- Built kryptnostic.com from ground up. Implemented design and created a responsive and functional client-facing site.
- Added new features to kodex.im, Kryptnostic's flagship secure communication platform, such as administrator panel controls, user listing, archived / muted chat channels, channel notifications, front-end support for paging, email verification, pasting browser and file system images, and multiple performance optimizations.
- Took charge of UI/UX design implementation of Kodex which included rewriting the login and registration pages, user settings options, and all of the email templates.
- Spearheaded the adaptation of automated testing in Kodex. Code coverage improved from 0 to 60% as a result of this effort.
- Improved company codebase by pushing high quality tested code and providing thorough code reviews. Deployed and released code to staging and production environments.
- Technologies: HTML5, CSS3, LESS, JavaScript, AngularJS, Gulp, Karma, Jasmine, Webpack.

Biomedical Engineering Department, Columbia University: Lab Technician

Jun 2011 - Oct 2014

- Developed a MATLAB program to quantify the scaled area of cells.
- Independently conducted research on fibroblast migration.
- Performed data analysis and statistics using SPSS.

Genetics Department, Columbia University: Lab Intern

Jun 2010 - Sep 2011

- Conducted research on gene manipulation of yeast cells.
- Independently discovered a significant gene (*cwf14Δ*) linked to a chromatin mutation.
- Led weekly presentations for my group about research progress in front of the epigenetics department.

Skills

Languages: JavaScript, Python, Ruby, PHP

Frameworks: AngularJS, Angular2, React.js, CodeIgniter, Ruby on Rails

Libraries: jQuery, Node.js, Socket.IO, Mongoose.js

Style: HTML5, CSS3, Bootstrap, Materialize

Databases: MySQL, PostgreSQL, MongoDB

Testing Framework: Karma, Jasmine

Build System: Gulp, Webpack

Version Control: Git

Awards

JFEW Foundation Science Scholarship

Jun 2010

Received a science scholarship awarded to the top 20 students in the entire Barnard Biology Department.

Projects

Kryptnostic, Inc. Company Website kryptnostic.com

Front End Engineer (2016)

Implemented complete redesign of company website from the ground up.

- Technologies: JavaScript, LESS, Bootstrap, HTML5, CSS3, Webpack.

Kodex.im kodex.im

Front End Engineer (2016)

Kryptnostic's flagship chat application supporting homomorphic encryption.

- Designed and shipped new features including administrator panel, user directory, archived / muted chat channels, channel notifications, front-end support for message paging, email verification, pasting browser and file system images, and multiple performance optimizations.
- Implemented UI/UX design for login and registration pages, user settings options, and email templates.
- Technologies: AngularJS, JavaScript, LESS, Bootstrap, HTML5, CSS3, Webpack, Gulp, Karma, Jasmine.

Choose To Go! choosetogo.herokuapp.com

Individual Project (September 2015)

A travel application coded in Ruby on Rails utilizing Google Maps, Google Distance Matrix, and Yelp API's.

PathfinderEDU pathfinderedu.herokuapp.com

HackingEDU Submission (October 2015)

An education planning app developed in Javascript using the MEAN stack.

- Designed front-end UI/UX (Bootstrap).
- Built controllers and factories (AngularJS).
- Implemented Chegg API (Node.js).

Pledge-A-Thon pledgeathon.herokuapp.com

Masters of Code Hackathon (July 2015)

A charity web application coded in JavaScript using the MEAN stack.

- Designed front-end UI/UX (Bootstrap).
- Implemented client-side experience (AngularJS)
- Integrated MasterCard API for payment processing.

HealthAMP healthamp.herokuapp.com

Class Project (August 2015)

A health web application written in JavaScript using the MEAN stack.

- Designed database schema and coded back-end implementation (Express.js, Node.js, MongoDB).
- Built controllers and factories for the entire site (AngularJS).