

# { Falmata Mohamed }

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## Education

B.S. in Computer Science (focus: Systems and Software) | **University of California, Irvine** | Winter 2017 (Expected)

**Coursework:** Software Engineering, Software Design I & II, User Interface Software, HCI, Data Structures, Algorithms, Networks, Databases, Operating Systems, Programming Languages, Compilers, Software System Design

**Technical Skills:** Python, C++, C#, Java, HTML5/CSS3/JS, jQuery, Angular, AJAX, JSON, Bootstrap, .NET, MySQL/NoSQL, PHP, Adobe CS6, MS VStudios, Eclipse, IntelliJ, R, Power BI, Google Analytics, Windows, OS, Linux, Git

**Interests:** Web UI/UX Design & Development, HCI, Software Engineering, Software Design, Application Development, Big Data, Data Science, Business Intelligence, Analytics, Operations, Consulting, Project Management

## Experience

**UI Designer** (Part-Time), CPTGroup Inc. | Irvine, CA Oct 2016 – Present

- Designing and developing intuitive customer-facing applications working on the full-stack
- Leveraging HTML/CSS/JS, jQuery, Bootstrap, AngularJS, .Net, C#/VB, and SQL

**Software Engineer Intern** (Full-Time), AT&T (formerly DIRECTV) | Los Angeles, CA August 2015 – Sept 2015

- Continued to manage and develop web app which is still in use today in AT&T (formerly DIRECTV)
- Implemented agile methodologies, iterating through multiple prototypes leading to deployment
- Ensured quality transitioning of developed works by leading user-guide meetings with developers

**Software Engineer Intern** (Full-Time), DIRECTV | Los Angeles, CA June 2015 – August 2015

- Developed an in-house Data Visualization hub to streamline analysis of critical performance data
- Project impacted by AT&T merger as it brought in brand new, unstructured sets of data
- Leveraged HTML5/CSS3/JS and open-source D3.js & HighCharts.js to implement web application UI
- Deployed onto an Apache-based web server and hosted on internal company site -- still used today

**UI Engineer** (Full-Time), Orbee | Irvine, CA April 2015 – June 2015

- Led design and development of product UI as a contract engineer
- Employed front-end technologies to rapidly produce prototype in a fast-paced start-up environment
- Worked with AWS ec2 and c3, aiding in delivering commercial product quickly

**Web Engineer** (Part-Time), MSA West | CA June 2014 – June 2015

- Managed and developed front and back-end, redesigning and reimplementing UI based on user's needs
- Utilized extensive Wordpress & analytics tools while maintaining communication with service providers
- Worked closely with Board of Directors to consistently deliver project requirements

**Software Development Intern** (Part-Time), Cordoba Labs | Irvine, CA Jan. 2014 – Jan. 2015

- Developed a data scraper in Python to access GreatSchools API and perform calculations
- Contributed in design and implementation of HousingRebound website UI
- Rapidly launched and deployed eCommerce & Directory site leveraging Wordpress
- Streamlined Marketing Department to live website process and ensured all requirements met

## Side Projects

### Full Stack Application

Designed and developed a break-through prototype as a contract Full-Stack Engineer, building a responsive web application implementing a MVC designed LAMP (Linux, Apache, MySQL, PHP) stack to present a user-based web community. My role focused on the front end and PHP side of the application. Project later pivoted to **MEAN** stack because of scalability benefits.

### Fabflix (Mock-Netflix Application)

As a team of 3, developed and deployed a full-stack movie-searching site. Required creating a database (MySQL), parsing XML data to store into database, leveraging PHP, adding AJAX calls, implementing a prefix search algorithm, and finally developing an Android version of application. Done in multiple iterations.

### Personal Site

falmata.com is a site that I created, using Bootstrap 3, to use as my personal portfolio. I handled the domain purchasing through name.com and decided to host it via Heroku™ and learned much about Git, Linux and full stack development during the process. Also applied Google Analytics to monitor site performance.