

# Mike Rosengrant

6 Delaware Place Boston MA 02135 | 201-744-9704 | [mike@rosengrant.me](mailto:mike@rosengrant.me)

## Overview:

Software Engineer with an extensive background building Python and PHP systems for supporting scientific systems. I have a passion for combining science and technology, and strive to bring that to a fast paced startup environment.

## Education

**Arizona State University**, Tempe Arizona  
**B.S. Computer Science**, Graduated Fall 2015

### **CSE 485 - Senior Capstone Project**

- Worked with Saccadous Inc. to develop a cloud-based analytics system that measures the involuntary movements of a patient's eyes, and uses that data to detect concussions and other neurological disorders.
- Built REST API with Python and Flask for the Analytics server to allow uploading and downloading of eye scans

**Portfolio Site:** [blog.mjrosengrant.com](http://blog.mjrosengrant.com)      **Github:** <https://www.github.com/mjrosengrant>

Personal projects include several Bitcoin/Ethereum projects, including a microtransaction plugin for WordPress

## Tools and Languages

**Languages:** Python, PHP, JavaScript, R, Java, C++, C#, SQL.

**Tools and Frameworks:** Django, Flask, Linux, D3.js, MySQL, MongoDB, Android, Neo4j, WordPress, Microsoft Azure

## Work Experience

**Software Engineer - GenePeeks**, New York, NY, March 2016 - Present

- Built and maintained applications that handle product side as well as clinical systems.
- Stack consisted of Python/Django, Javascript, Sass, Heroku

**Software Developer - AIM IT Services**, Phoenix AZ, August 2015 - December 2015

- Integrated their restaurant management application Efish with existing POS systems.
- Built a web service in PHP that syncs check information to other POS systems in real time.
- Worked on bugs covering the full stack of the application, which included PHP, MySQL, JQuery, and AngularJS

**Intern - Systems Imagination**, Scottsdale AZ, August 2015 - December 2015

- Improved on their hypergraph data model for storing genomic information in MongoDB.
- Built out API to interact with database, automated the data import process, and created the ability to organize elements based on their original data source.

**Helios Scholar - TGen (Translational Genomics Research Institute)**, Phoenix AZ, Summer 2015

- Researched network theory and its applications to genetics research.
- Modeled drug-gene interactions in a Neo4j database, and used R and Python to analyze the resulting network.
- Full research poster available on Portfolio website.

**Web Developer - KnowledgeNet**, Tempe AZ, January 2014 - May 2015

- Rebuilt the entire company intranet using PHP, Bootstrap, JQuery and MySQL. Created different modules for each department, including resource uploaders, and an announcements board.

**Intern - Symmetry Software**, Scottsdale AZ, Summer 2014

- Created a database of all payroll taxes for each US state, and built a CMS to keep those records up to date. Used PHP, Bootstrap, MySQL and JQuery.