Marcus **Grant**

FULL STACK SOFTWARE ENGINEER

961 Willoughby Ave. Apt. 1i, Brooklyn, NY, 11221, USA

☐ (+1) (978) 857-5462 | ✉ marcusfg@gmail.com | 🏠 patternbuffer.io | 🐙 marcus-grant | 🔗 marcusfredrickgrant

Summary

Passionate software engineer, coming from an Electrical Engineering background, with personal, professional, and academic experience in embedded systems, mobile apps, and full-stack development ontop of decades of tinkering with computers and electronics. Approaches software development with a full understanding of computing systems from high level software design patterns to how those designs direct transistors on the atomic level.

Skills

Languages	Javascript/ECMAScript/TypeScript, Python, Objective C, Swift, Go, C/C++, Bash
Front End	HTML5, CSS3, SASS/SCSS, React, React Native, Redux, Gatsby, D3, iOS UIKit
Back End	Node, Express, Flask, Go HTTP, Loopback, SQLAlchemy, MongoDB, MariaDB, NumPy, Pandas, Docker, Kubernetes, Netlify
Tools	Git, Vim, Xcode, Npm, Pip, Babel, Webpack, Virtualenv, ESlint, Jest, PyUnit, Nginx, Crond, Systemd, Firewalld

Education

Rochester Institute of Technology
Rochester, NY

B.S. IN ELECTRICAL & ELECTRONICS ENGINEERING   *Sept. 2008 - Dec. 2015*

- Course focus on embedded systems, and robotics
- Minors in business administration and german language & culture
- 50 weeks of major-specific work experience as per degree requirements (detailed in experiences section)

Flatiron School
New York, NY

iOS DEVELOPMENT 12-WEEK FULL-TIME BOOTCAMP   *Jun. 2015 - Aug. 2015*

- Crowd-sourced MTA timing app, (detailed in projects section)
- Several completed labs that taught specific iOS development skills are on github

Experience

Applied Value Group
New York, NY, USA

SOFTWARE ENGINEER & ANALYST   *Sep. 2014 - Jun. 2015, Jun. 2017 - Now*

- Initially worked as an analyst and used Python to perform financial analysis relevant to their consulting business.
- Wrote Python programs to automate the process of scraping business data and storing it in databases for use with internal and client web apps.
- Came back to work as a full-stack developer in 2017, working on their internal business intelligence APIs using Flask, Express, MariaDB and MongoDB.
- Worked on their platform's associated web apps using React, Redux and D3.
- Apps I worked on included interfaces for data dashboards, visualizations, forms and controls to request newly calculated or parsed results based on input.
- Deployed platforms on Google Cloud and Digital Ocean using Docker and Kubernetes.

Method Inc.
New York, NY, USA

SOFTWARE ENGINEER   *May. 2015 - Jun. 2016*

- Following the Flatiron School iOS bootcamp I was hired to work on various feature updates and bugfixes for their contracted app for McDonalds.
- Created native app views for their purchasing, locator, and deals features of the McDonalds app.
- Learned React and React Native to help with other contracted teams that wanted cross platform apps.
- Collaborated with designers to create, in software, the design wireframes they had come up with.

ABB Inc.
Västerås, Sweden

EMBEDDED SOFTWARE DEVELOPER INTERN   *Sep. 2012 Mar. 2013*

- Wrote scripts in bash on automation servers to test hardware and robotic environment. Adding old test functionality to their new operating system.
- Added and tested event-driven interrupt routines in C++ and their own proprietary 'RAPID' language, to improve safety of pick-place robots on new family of controllers that halt the system if there are safety concerns that it can detect.
- Helped develop libraries in C++ that ported functionality of old controller operating system to a new one that was being released.