

# MICHAEL G. ANDERSON

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## EDUCATION

Bachelor of Arts, Computer Science

Expected Graduation: May 2018

**Rutgers University**, Newark, NJ

- Minor in Mathematics
- Works 20+ hours per week while maintaining a full-time class schedule and 4.0 GPA

Associate in Science, Computer Science

May 2016

**Brookdale Community College**, Lincroft, NJ

- Worked 40+ hours per week while maintaining a 4.0 GPA

## SELECTED COURSEWORK

- Advanced Data Structures; Intro to Linux Kernel Programming; Design in Software Engineering; Operating Systems; Relational Databases; Numerical Analysis; Linear Algebra

## SKILLS

- **Programming Languages:** Python, Java, C, JavaScript, PHP, HTML, CSS, SQL, Bash scripting
- **Databases:** MySQL/MariaDB, Google Cloud Datastore
- **Frameworks/Libraries:** Ferris, Bootstrap, AngularJS, JQuery, Flask
- **IDEs, Editors & Other Development Tools:** SublimeText, IntelliJ, Vim, Git, Google Cloud SDK
- Understanding of object-oriented design, model-view-controller design pattern, data structures
- Adept in MacOS and Linux environments; familiar with Bash shell and GNU/BSD command line tools
- Ability to articulate complex concepts in clear language; analytical mindset; exemplary interpersonal skills

## SELECTED PROJECTS

- Created a conversational agent that uses API.AI (Dialogflow) to parse natural language user input and the Slack Events API to integrate into Slack; built a webhook using Python, Google App Engine and Cloud Datastore to respond to user inquiries and facilitate CRUD operations on user data
- Built a Reddit bot with the PRAW Reddit API wrapper for Python that creates a corpus of text from existing Reddit comments and uses the corpus to generate and post Markov chain output
- Designed and developed an online auction system using PHP, JavaScript, HTML, CSS and SQL; designed and implemented a MySQL database to store user accounts, auction listings and bids; built back-end module in Java to update database using the JDBC API

## EMPLOYMENT HISTORY

**New York Public Library**, New York, NY

Nov. 2017 – Present

Applications Developer

- Develops web applications using Google Cloud Platform (App Engine, Cloud Datastore) and Python, including an application used by staff to schedule room reservations for meetings and public events at the New York Public Library's Main Branch
- Uses Google APIs to build applications that integrate G Suite with other cloud-based services, including ServiceNow and Workday
- Develops custom applications on the ServiceNow platform using JavaScript to digitize internal workflows
- Builds single-page applications using AngularJS that integrate into ServiceNow and employee intranet
- Works directly with stakeholders in various departments to clarify requirements for custom applications

**New York Public Library**, New York, NY

Mar. 2017 – Oct. 2017

Application Development Intern

**Menna Law Firm**, Red Bank, NJ

Feb. 2012 – Feb. 2017

Paralegal

- Drafted legal pleadings and briefs, prepared bankruptcy petitions and bankruptcy motions, searched public records, coordinated discovery production, managed real estate transactions

## VOLUNTEER WORK

**Red Bank Mayor's Charity Ball**, Red Bank, NJ

Mar. – May 2015, Mar. – May 2016

Executive Committee Member

**Red Bank Borough Planning Board**, Red Bank, NJ

Oct. 2011 – Sept. 2014

Class I Member