

Olaolu Emmanuel

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EXPERIENCE

HackNY Software Engineering Intern

Skillshare NYC > June 2016 – August 2016

- Partnered with designer to develop front-end and back-end for new features on the web platform.
- Improved the class recommendation algorithm.
- Helped design and implement gamification for web-application.

Student Software Engineer

Rutgers University > June 2015 – December 2015

- Helped develop a backend to generate and grade quizzes for the ~10,000 students enrolled in a Chemistry or Mathematics class at Rutgers.

Teaching Assistant

Rutgers University > September 2016 – Present

- Lead two classes of 15 students each in Introduction to Computer Science.
- Conduct workshops, provide tutoring, and grade assignments.

LCSR Tutor

Rutgers University > September 2015 – Present

- Tutor students in Data Structures, Computer Architecture, Systems Programming, and assist with debugging.

EXTRACURRICULARS

Co-founder | Webmaster

Rutgers Project Euler > August 2016 – Present

- Guide students through programming questions along with providing technical interview preparation.
- Maintain our website and contribute to problem solutions on github.

Executive Board Member

Rutgers USACS | HackRU > September 2014 – Present

- Help plan our Mentorship Program and mentor 3 first-year students.
- Assist in the organizing of HackRU, our biannual hackathon with over 1,000 attendees, by contacting sponsors, mentoring participants, and contributing to the backend for the website.

Mentor

Rutgers USACS > September 2015 – Present

- Help my mentees to develop their skills in Computer Science by working on projects and attending hackathons.

PROJECTS

Hackerspace Print Queue

- Webapp used by Rutgers University which allows students to submit requests for our 3D-Printer.
- Node.js, jQuery, Sendgrid, AWS S3, Parse, Express

Shrednought

- Unity3D game which uses a Fourier Transform to decompose input signals from a real guitar into frequencies which map to different game controls.
- C#, Unity3D libraries

notes-cli

- Command line tool that utilizes a fuzzy string matching library to allow users to query their notes and return the top results.
- Python, click library

Tabbo

- Chrome extension that makes it easier for users to manage their tabs.
- HTML, CSS, Javascript

ShadowrealmVR

- Renders 3D models of Yu-Gi-Oh playing cards when placed on a disc using an RFID reader and Arduino.
- Arduino, C#

seenIt

- Webapp that offers suggestions on cool places to visit during your road trip.
- Node.js, Google Maps API, Heroku, jQuery

SKILLS (in order of proficiency)

Languages: Python, Java, C, JavaScript, SQL, PHP, HTML, CSS, Scheme

Frameworks/Libraries: Express, Node.js, Flask, Backbone.js, jQuery, Bootstrap, Yii, Arduino

Database Systems: MongoDB

Operating Systems: Linux (Debian)

Version Control: Git

EDUCATION

B.S. Computer Science | Music Minor

Rutgers University > 2014 – 2018

- Relevant Coursework: Data Structures, Computer Architecture, Systems Programming, Principles of Programming Languages
- GPA: 3.45