

SAMANTHA FLOYD

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EDUCATION

Pennsylvania State University, University Park • (Currently based in NYC)

Bachelors of Science • Math with Computer Science focus • Dean's list Fall 2014

Relevant coursework: C++ and Python programming, discrete math, data structures and algorithms

New Mexico Highlands University • Las Vegas, NM

May 2013 – Dec. 2013

General education courses taken in high school • GPA 3.8/4.0 13 Units

Raton High School • Raton, NM

2014

Graduated at age 15

TECHNICAL SKILLS

- Languages and frameworks: Python, C++, Java, R, TensorFlow, Shell scripting, HTML/CSS, Objective C, Swift
- Development: NodeMCU, Intel Edison, Version Control with Git, Google Cloud, Jamstack architecture

EXPERIENCE

HackPSU Organizer and Workshop Host – RFID Technology Team

Jan. 2019 – May 2019

State College, PA

- Presented Introduction to APIs Workshop
- Developed modularization of C++ code base to interface with RFID chip
- Wrote and maintained POST requests to HackPSU API and Redis server
- 1 week Agile sprints with 5 developers
- Documented installation of USB to UART bridge port for macOS requiring legacy port from Silicon Labs
- Utilized Docker containers, Redis, and NodeMCU board

Web Developer and Project Manager – Ink&Wink

Aug. 2015 – Dec. 2015

Remote

- Collaborated with course developers and editors through website transformation from blog to fully-functional course management system
- Researched and implemented learning management system
- Integrated Stripe payments with WordPress

Publicity Committee Chair – Lion Ambassadors

Aug. 2014 – Dec. 2015

Harrisburg, PA

- Led organization and distribution of marketing for campus-wide events
- Represented Penn State as solo tour guide to groups of 30+ people

PROJECTS

Toy Exchange – iOS App

Jan. 2021 – Present

- Marketplace app to discover and exchange items of similar value with other users
- Users can create a profile, create new listings, review other members, create shipping labels, and send in-app messages
- Users can search and filter listings by category, condition, and value
- Future objective: in-app payments, search by location

Simplify

2019

- Extractive text summarization program using weighted frequencies of words to simplify medical documents

HACKATHONS

Unhackathon – Stony Brook University

Sept. 2014

New York City, NY

- Developed a scrolling website with team for anonymous comments
- Utilized HTML/CSS, MongoDB, MySQL