Alexa Rockwell

CONTACT

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EDUCATION

BS in Computer Science   August 2014 — May 2018

Stony Brook University

Specialization in Systems Software Development
Member of the Computer Science Honors Program

PROFESSIONAL EXPERIENCE

Rsrchr   January 2017 — Present

Front-end Web Developer

- Assured that all user input is validated before submitting to back-end
- Closely worked with back-end developers to optimize data filtering and load time by implementing infinite scroll for maximum speed and scalability.
- Collaborated with other team members and stakeholders
- Collaborated with the team to define the information architecture
- Created clean, precise browser-compatible code
- Implemented functionality in JavaScript, JQuery, and Python
- Implemented page loading in standards-compliant dynamic HTML and CSS/

Stony Brook University   August 2016 — Present

Student Ambassador

- Support and help "host" major campus functions including the University's Open House, gala campus celebrations, Homecoming activities, fund-raising events, New Student Orientation and many other distinguished programs.
- Serve as the university's ambassadors or official goodwill envoys.
- Uphold rigorous standards, both academically and in service to their community.

EDUCodes   March 2003 — June 2005

CEO and Founder

- Assembled and lead a team of college students who joined the initiative to make an education in Computer Science available to every student in the nation.
- Projected to reach at least a thousand students by the end of the year.
- Organized and lead weekly workshops.
- Collaborated with local events and club chapters (CtrlShe, Computing Society).
- Currently supported and funded by Google's IgniteCS program.

Coffee with Hx2   August 2016 — March 2017

Content Manager

- Advised Stony Brook professor with her show's online presence.
- Recreated her website and consistently populate it with her show's content.
- Sifted through the videos to edit out any imperfections the editors missed.

Harvard WECode Conference   January 2016 — Present

Ambassador

- Helped to organize annual event at Harvard University.
- It's purpose is to bring women from all around the world to talk about gender equality in Computer Science.
- Served as a coordinator between Stony Brook and Harvard in efforts to bring participants to the event.
- Digitally marketed the event on Facebook, Twitter, and Instagram.

Stony Brook WISE Student Leadership Council   August 2016 — April 2017

Vice President

- Sent weekly newsletters to the general body about upcoming events, job opportunities, and surveys.
- Hosted a yearly research panel, and asked panelists questions about their experience in a lab.
- Participated in weekly meetings with the rest of the council to update each other.

FIRST   November 2013 — February 2017

Junior Mentor

- Established the high school's first ever robotics team.
- Competed in the regional competition and won the Rookie Inspiration Award.
- Continuously return to mentor and supervise students in future competitions.
- Programmed servos using an Arduino Uno.

Eclipse Contracting Corporation   July 2013 — January 2017

Junior Estimator

- Established financial contracts with Metropolitan Museum of Art, Columbia University, and more.
- Calculated the cost of renovating New York City high rises, including partitions and ceiling work.
- Worked with OnScreen TakeOff, to calculate the cost of renovation.
- Analyzed floor plans, and hundreds of pages of details in order to provide a precise price, at the age of 16.

SKILLS AND QUALIFICATIONS

4+ years of programming and leadership experience.

Computer Languages

- Python
- Java
- C/C++
- HTML/CSS/Javascript

Software & Tools

- Eclipse
- Git
- Android Studio

- Visual Studio
- *nix Environments
- VMware
- Wireshark
- Unity & Unreal Engines
- Adobe Creative Suite
- Arduino/Raspberry Pi
- AutoCad & Suite

Spoken Languages
- English
- Russian
- Georgian
- Spanish

PROJECTS

- Trail Hub - Aggregates data for user about camping grounds depending on time of availability and location. Provides weather update for the week and allows for collaboration with people who want to plan a hiking trip. Utilizes the Google Maps API, Google Calendar API, and OpenWeatherMap API. Mentored two high school students through the process and integrated their contributions.
- Spotify Intersect - Personal project, android application that creates a playlist of similarities between users, utilizing the Spotify Android API.
- AR Test - Learned the basics of 3D modeling and the Unity engine, and combined it with my knowledge of Android development to create an augmented reality app. Currently learning how to utilize a Xbox Kinect with Processing and Unity.
- PokemonGo Server Checker - An android app which uses Jsoup to extract data from a website that reports the status of the Pokemon Go servers. It also sends notifications whenever there's significant change in those servers.
- MyBey - A Beyonce themed chatbot which was my first hand experience with web development and utilizing Python libraries that helped with topic modeling.
- Shell - A program that simulates a UNIX based terminal written in C.
- Miner Node Simulation - Honors research project which simulated mining a cryptocurrency.
- ArchRover - Product of my first hackathon. An drone equipped with sensors to map out the floor plan of a room, then transmit that data via SMS to a web interface.
- Anymeal - Designed the UI for an iOS application.

SCHOLARSHIPS AND AWARDS

Nomination for the Student Organization Leadership Award from Stony Brook University
Winning Entry in Bitcamp
Zonta International Scholarship
Winning Entry in FlawlessHacks
NYS STEM Incentive Award/Scholarship
FIRST Robotics Competition Rookie Inspiration Award