Solomon Astley

ssa35@pitt.edu | (724)-205-9954 | www.solomonastley.com

Education

University of Pittsburgh   **Pittsburgh, PA**
Bachelor of Science in Computer Science   **GPA: 3.984**
Minor in Chemistry   **Credits: 66**

Relevant Coursework: Data Structures in Java; Computer Organization and Assembly Language;
                                      Discrete Math in Computer Science; Intro to Java Programming

Skills

- **Computer Skills**
  - Basic programming skills in Python, MySQL, Ruby, PHP
  - Proficient programming skills in Java, JavaScript, HTML, and CSS
  - Experience using JQuery, Node.js, Android Studio, Git (GitHub username - solastley)
- **Language:** Proficient in Spanish, Learning German

Work Experience

Free Lance Web Developer, Pittsburgh, PA   **Nov. 2015 - Present**

- Utilized Twitter Bootstrap framework to design and develop websites
- Designed responsive websites for small businesses as well as personal and hackathon projects

Honors and Awards

Dragon Hacks 2016 - 1st Place Overall, Drexel University, Philadelphia, PA   **Jan. 2016**

- Utilized Microsoft Kinect to create sign language interpretation hack
- Developed workflow with IBM Blue Mix and Twilio to facilitate communication between deaf and non-deaf individuals via sign language translation and text messaging

PittApps 2016 - Best Energy-Related Hack, Pittsburgh, PA   **Jan. 2016**

- Combined an Arduino, servo motor, and infrared sensor to create simple-to-install automatic light switch that is cheap to manufacture and works with already-existing light switches

Fashion Tech 2016 - Best Hack With .tech Domain, Kent State University   **Jan. 2016**

- Created an Android app that scans RFID tags in retail stores and allows customers to avoid lines

Eagle Scout Award   **March 2012**

Research and Related Experience

Undergraduate Research Assistant to Dr. John Keith   **Present**

- Modeled chemical reactions on a molecular level using computational chemistry
- Wrote Python scripts to streamline data generation and convert various geometrical optimization output files to readable coordinate files

Undergraduate Teaching Assistant (UTA) to Dr. Hanna Salman   **Aug. 2015 – Dec. 2015**

- PHYS 0174, Basic Physics for Science and Engineering 1
- Created lesson plans, tutored peers, monitored and analyzed performance of students

Extracurricular Activities

- PACT (Pittsburgh Attacks Cancer Together), **Business Manager**   **Jan. 2015 – Dec. 2015**
  - Helped found and build the organization and its various committees
- Pitt Robotics Club, **Active Member**   **Jan. 2016 – Present**
- Steel Hacks 2016, **Organizer and Volunteer**   **Jan. 2016**