Andrew Puglionesi

Phone: (610) 322-1066

Email: aop4@pitt.edu

Website: **andrewpuglionesi.herokuapp.com**

Education

University of Pittsburgh (Pittsburgh, PA)

    B.S., Computer Science   August 2014—December 2018

    GPA: 4.0

Relevant Experience

Intern (Human-Computer Interaction Institute, Pittsburgh, PA) – May 2017-Present

    Co-designing and co-developing an online learning community using Python, HTML, CSS, and the Django framework. Integrated video chat functionality for group work using Twilio's JavaScript and Python APIs, set up automatic email notifications with SendGrid's Python API to remind users of chat events they signed up for, redesigned the flow for signing up for events on our site based on usability testing, enabled customization of the site to suit different instructors' needs, migrated the site to and maintained the cloud-based Heroku production server, worked extensively on the front end. Our temporary domain is mentorhub-app.herokuapp.com.

Undergraduate Research Assistant (University of Pittsburgh, Pittsburgh, PA) - January 2015-September 2016

    Refined a computer model of a nerve cell to predict the efficacy of different drug dosages for treating neuromuscular disease. Wrote programs for data processing in Python and AWK, presented findings through presentations and writing, performed qualitative and quantitative data analysis and visualization.

Data Entry Clerk (Surrey Services for Seniors Havertown Center, Havertown, PA) - May-August 2015

    Helped integrate new database software (required due to a broader organizational switch) into daily operations at the Center by applying the software and instructing others on its use.

Skills

Programming languages and technologies:

    Java, Python, HTML, CSS, SQL, C, Git, Django, AWK, MIPS

Techniques and areas:

    Web development, object-oriented programming, user interfaces, data analytics, technical writing, computer modeling, research

Language:

    Conversant in Spanish

Activities

Guitar, running, Philosophy of Science Club (Vice President), Computer Science Club