Andrew Puglionesi

Aspiring software engineer

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EDUCATION

University of Pittsburgh, Pittsburgh, PA
B.S., Computer Science
GPA: 3.97   August 2014 - December 2018

EXPERIENCE

Human-Computer Interaction Institute, Pittsburgh, PA
Summer Research Intern (full-stack development)

May 2017 - October 2017

Co-designed and co-developed an online learning community using primarily 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.

University of Pittsburgh, Pittsburgh, PA
Undergraduate Research Assistant

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.

Surrey Services for Seniors, Havertown, PA
Data Entry Clerk

May 2015 - August 2015

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

SKILLS

Skill sets
Web development, object-oriented programming, user interfaces, databases, software testing, data analytics, technical writing, computer modeling, research

Back end/general purpose
Java, Python, Ruby, JavaScript, C, SQL, MIPS

Front end
HTML, CSS, JavaScript/JQuery

Other tools and Frameworks
Django, Flask, Git, MiniTest

LANGUAGE

English — Fluent
Spanish — Conversant