Andrew Puglionesi

Aspiring software engineer
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EDUCATION

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

EXPERIENCE

UPMC, Pittsburgh, PA, USA
Summer Associate, UPMC Health Plan Consumer Technology
June 2018 - August 2018
Contributed to a cross-platform prototype/rewrite of the UPMC Health Plan's primary mobile application using Angular, TypeScript, and NativeScript. Developed four search features that help users find in-network care with a modular design, and a feature for viewing and emailing/faxing one's insurance card. Prototyped a new feature to notify users of ongoing downtime. Created an internal data entry application for correcting data in a Health Plan database using C#/SQL/Windows Forms. Participated in code reviews, agile meetings, and software demos.

Human-Computer Interaction Institute, Pittsburgh, PA, USA
Summer Research Intern (full stack development)
May 2017 - October 2017
Co-designed and co-developed an online learning community using primarily Python/Django, HTML, and CSS. 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.

Meriney Lab, University of Pittsburgh, Pittsburgh, PA, USA
Undergraduate Research Assistant
January 2015 - September 2016
Refined a computer model of a nerve cell to predict the efficacy of drug dosages in treating a neuromuscular disease. Wrote scripts for data processing in Python and AWK. Presented findings through presentations and writing. Did qualitative and quantitative data analysis/visualization.

Surrey Services for Seniors, Havertown, PA, USA
Data Entry Clerk
May 2015 – August 2015
Helped integrate new database software at Surrey's Havertown Center. Much of my work involved instructing others on how to use the software, through writing a guide and giving hands-on instruction.

SKILLS

🟢 Prior experience
🟢 Proficient 🟢 Fluent

Skill sets
🟢 Web
🟢 Data structures/algorithms
🟢 OOP
🟢 Software testing
🟢 User interfaces
🟢 Relational databases
🟢 Mobile
🟢 Data analytics
🟢 Technical writing
🟢 Computer modeling
🟢 Research

Back end/general purpose
🟢 Python
🟢 JavaScript
🟢 Java
🟢 C
🟢 C#
🟢 Ruby
🟢 TypeScript
🟢 SQL

Front end
🟢 HTML/CSS/JavaScript
🟢 Angular
🟢 JQuery
🟢 NativeScript

Tools and frameworks
🟢 Git
🟢 Django
🟢 REST
🟢 Flask

LANGUAGE

English — Fluent
Spanish — Conversant