Andrew Puglionesi

Software engineer

EDUCATION

University of Pittsburgh, Pittsburgh, PA
B.S., Computer Science
GPA: 3.97

EXPERIENCE

McKesson
Jr. Software Engineer, McKesson Pharmacy Systems
January 2019 - Present
Research, design, implement, and unit test solutions for a SaaS pharmacy management system. Use web, UI, and database technologies to build electronic prescribing solutions and a new payment system for mail-order prescriptions. Generally use Java EE, Swing, Oracle SQL, and JUnit with Mockito. Work on a scrum team following SAFe agile principles. Map out design decisions and write lightweight documentation for internal and external customers. Interview junior and lead engineering candidates.

UPMC, Pittsburgh, PA
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, a feature for viewing and sending insurance cards, and a feature to notify users of ongoing downtime. Created an internal data entry application for correcting data in a Health Plan database using C#, SQL, and Windows Forms. Participated in code reviews, pair programming, agile meetings, and software demos.

HCII, Carnegie Mellon University, Pittsburgh, PA
Summer Research Intern (full stack development)
May 2017 - October 2017
Co-designed and co-developed an online learning community using Python/Django, HTML, CSS, and JavaScript/JQuery. Integrated video chat functionality for group work using Twilio's JavaScript and Python APIs, set up email notifications with SendGrid's Python API, redesigned the flow for signing up for events on the 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.

Meriney Lab, 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 drug dosages in treating a neuromuscular disease. Wrote scripts for data processing in Python and AWK, presented findings through presentations and writing, and did data analysis and visualization. Won a grant and a fellowship to support the research.

SKILLS

● Prior experience
● Proficient ● Fluent

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

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

Front end
● HTML/CSS/JavaScript
● Angular
● React
● JQuery
● Android

Tools and frameworks
● Git
● REST
● Django
● Java EE

LANGUAGE

English — Fluent
Spanish — Conversant