

Andrew Puglionesi

Software Engineer

</> andrewpuglionesi.com

{ } github.com/aop4

EDUCATION

University of Pittsburgh, Pittsburgh, PA

B.S., Computer Science

GPA: 3.97

EXPERIENCE

McKesson

Sr. Associate Software Engineer, McKesson Pharmacy Systems

January 2019 - Present

Contribute to a SaaS pharmacy management system used to fill over a million prescriptions per day. Use web, UI, and database technologies to develop features including COVID-19 vaccine reporting; controlled substance monitoring; and electronic prescribing and e-payment APIs. Generally use Java EE, Swing, Oracle SQL, and JUnit with Mockito. Collaborate with a scrum team following SAFe agile principles. Map out design decisions and write lightweight documentation for internal and external customers. Write unit tests and performance tests. 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 rewrite of the UPMC Health Plan's primary mobile application using Angular, TypeScript, and NativeScript. Developed 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, and maintained the Heroku cloud production server.

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

● OOP

● Data structures/algorithms

● Web applications

● Automated testing

● Relational databases

● User interfaces

● Technical writing

● Mobile apps

● Data analytics/visualization

● Computer modeling

● Research

Back end/general purpose

● Java

● Python

● SQL

● JavaScript

● TypeScript

● C

● Ruby

● C#

Front end

● HTML/CSS

● Angular

● React

● JQuery

● Android

Tools and frameworks

● Git

● REST

● Django

● Java EE

LANGUAGE

English — Fluent

Spanish — Conversant