

# 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 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.

**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](http://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 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 by applying the software and instructing others on its use.

## SKILLS

● Prior experience  
● Proficient ● Fluent

### Skill sets

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

### Back end/general purpose

● Java  
● Python  
● JavaScript  
● Ruby  
● TypeScript  
● C  
● C#  
● SQL

### Front end

● HTML/CSS/JavaScript  
● Angular  
● JQuery  
● NativeScript

### Tools and frameworks

● Git  
● Django  
● REST APIs  
● Flask

## LANGUAGE

English — Fluent  
Spanish — Conversant