

# Andrew Puglionesi

Software engineer  
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## EDUCATION

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

## EXPERIENCE

**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 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, 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 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.

**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. Did data analysis and visualization. Won a grant and a fellowship to support the research.

**Surrey Services for Seniors**, Havertown, PA  
*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/visualization  
● Technical writing  
● Computer modeling  
● Research

### Back end/general purpose

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

### Front end

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

### Tools and frameworks

● Git  
● Django  
● REST  
● Flask

## LANGUAGE

English — Fluent  
Spanish — Conversant