

3333 Walnut Street MB 178
Philadelphia, PA 19104
(412) 728-8303

brishi@seas.upenn.edu
www.linkedin.com/in/brianzshi
www.github.com/shib340

Education

University of Pennsylvania - Philadelphia, PA

August 2013 – May 2017

- Pursuing B.S.E. in *Computer Science*
- Minor in *Cinema Studies*

Major-related coursework: Data Structures and Algorithms, Market and Social Systems on the Internet, Engineering Probability, Programming Languages and Techniques I, Mathematical Foundations of Computer Science, and Calculus III.

Mt. Lebanon High School - Pittsburgh, PA

September 2009 – June 2013

Work Experience

University of Pennsylvania in Philadelphia, PA

August 2014 – Present

Teaching Assistant

- TA for CIS 121 (Data Structures and Algorithms in Java) – a third-semester course in Penn's Intro to Computer Science sequence.
- Responsibilities include teaching weekly recitations of 25 students, holding offices hours, grading assignments and exams, and leading review sessions.

University of Pittsburgh in Pittsburgh, PA

Summer 2014

Software Developer

- Contracted to develop applications for administering situation-based tests for med school students.

BudgetSimple in Pittsburgh, PA

Summer 2014

Software Development Intern

- Work with consumer facing web and mobile apps to analyze, debug, repair, and create code, documentation and other internal and external processes.

PennCycle at the University of Pennsylvania

February 2014 - Present

Developer and Webmaster

- Maintain PennCycle.org and its database, which oversees the maintenance and distribution of Penn's on-campus bike rental service.
- Currently working to add and debug new features, such as a Twilio text message alert system and real-time bike tracking using Google Maps API.
- Back-end work done in Django and Postgres.

Rangos Research Center at the University of Pittsburgh

Summer 2013

Student Research Intern, Department of Neurology

- Conducted DOD-funded molecular biology research under the supervision of Dr. Ira Bergman, which included plasmid DNA replication, GFP colony cells, and use of lab mice.

Walnut Grill of Mt. Lebanon

April 2013 – August 2013

Server

Best Buy of South Hills

August 2012 – January 2013

Mobile Sales Consultant

- Activated mobile smartphones, sold accessories, and managed company downstocks.

Skills

- **Programming languages:** Python, PHP, Java, JavaScript, OCaml, and HTML/CSS.
- **Technologies:** jQuery, MySQL, Apache, Django, Sublime, Git, and Eclipse.
- **Operating Systems:** Windows, Mac, and Linux
- 10 years of orchestral horn playing and currently learning tin whistle.