Brian Z. Shi www.brian-shi.com

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#### **Education**

#### University of Pennsylvania - Philadelphia, PA

August 2013 - May 2017

Intended Major: Computer Science

**Relevant coursework:** Data Structures and Algorithms in Java, 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

Graduated Cum Laude (5.1/4.0 GPA)

#### **Work Experience**

### BudgetSimple in Pittsburgh, PA

May 2014 - Present

### 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 the 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 text message alert system and iPhone application.
- Back-end work is done in Django and Postgres.

#### Rangos Research Center at the University of Pittsburgh

June 2013 - August 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 Mount Lebanon **Server**

April 2013 – August 2013

#### 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, Java, OCaml, JavaScript, and HTML/CSS.
- **Software:** Django, jQuery, Bootstrap, Android, Sublime, Git, and Eclipse.
- Operating Systems: Windows, Mac, and Linux (Ubuntu/Debian)
- 10 years of orchestral horn playing.
- Fluency in Mandarin Chinese.