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, Marketing 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

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   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, 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.