BETTY PENG

EDUCATION

Brown University || Class of 2017
Computer Science & English
GPA: 4.0
Relevant courses:
Software Engineering (Current)
Computer Systems
Designing User Interfaces
Humanity-Centered Robots
Object Oriented Programming in Java
Algorithms and Data Structures
Discrete Structures and Probability

Geneva High School || Class of 2013
GPA: 4.0 || SAT: 2400

PROJECTS

Infinity || Independent Project
A whiteboard study tool built in C#/X-AML. An infinite workspace allows the user to write text, drag and drop materials, import documents, make pen markups, capture live video, audio, and photos, and build visual relationships.

Enchanted Clock || Brown HCRI
An arduino-driven grandfather clock with hands that point to a Brown student's location in real-time. I built the iOS app in Objective-C for location monitoring around campus.

C-Shell || Computer Systems
UNIX shell implementation in C, made with built-in commands, signal processing, job-control, and I/O redirection.

SKILLS

Java || C || Python || C#/XAML
HTML/CSS/JS || jQuery || Git
Photoshop || Illustrator || LaTex

CONTACT

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EXPERIENCE

Brown University Graphics Group | Providence, RI
Undergraduate Research Assistant | January 2016 – Present
Implementing various features and functions for NuSys, a Windows 10 application that allows users to collaboratively produce, collect, and organize heterogeneous materials from various sources, tracks version history, and automatically generates an exportable presentation.

Brown University Computer Science | Providence, RI
Undergraduate Teaching Assistant | April 2015 – Present
Dedicate an average 15 hours per week to holding office hours, leading weekly student laboratory sessions, and grading projects to teach 350+ students the fundamentals of OOP in Java.

PASS Information Technology | Providence, RI
Undergraduate Trainer | January 2015 – Present
Plan and teach weekly lessons on Web Design (HTML/CSS) to groups of 8-15 undergraduate peers. Designed a new jQuery course for the program. Expanded the program to reach over 500 undergraduate students in the 2014-15 school year.

iDTech Programming Camp | New York, NY
Programming Course Instructor | June 2015 – August 2015
Developed and taught weeklong intensive courses in Java, Python, JavaScript, and Scratch. Created the support code for various coding challenges, designed projects personalized for each student's level and ability, and helped with debugging and testing.

LEADERSHIP

GlobeMed | Providence, RI
Executive Board Director of Campaigns | 2013 – 2015
- Plan and organize fundraisers and campus-wide events to support our partner organization in Nairobi, Kenya.
- Served on GlobeMed's Executive Board and managed a ten-person Campaigns Team to help reach an annual goal of raising $10,000, with 100% of proceeds sent to our partner.
- Raised a total $12,333 in 2014 to fund the construction of a new community center for youth in the Viwandani-Mukuru slum of East Nairobi.

Kappa Delta Theta Gamma Chapter | Providence, RI
Vice President of Community Service | 2014 – Present
- Coordinate community service projects and philanthropic events.
- Directed an eight-person team to raise $1,987 from our annual event, Dunk N' Dodge, 80% of which we donated to local child abuse prevention programs, and 20% to the national program.
- Planned bi-monthly workshops for local Girl Scouts on topics including bullying, self-esteem, women in STEM fields, and health.