

Grace Huang

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EDUCATION

UNIVERSITY OF PENNSYLVANIA

Philadelphia, PA

School of Engineering - *B.S. in Engineering, Major: Digital Media Design*

Expected 2013 - 2018

- RELEVANT COURSEWORK: Software Design & Engineering (CIS350), Intro. to Computer Graphics (CIS460), Data Structures and Algorithms (CIS121), Intro. to Computing Systems (CIS240), Applications of Scientific Computing (EAS205), Discrete Math (CIS160)

WORK EXPERIENCE

UNIVERSITY OF PENNSYLVANIA, CIS DEPARTMENT

Philadelphia, PA

CIS121 Teaching Assistant (TA)

August 2016 – present

- Responsibilities include: holding weekly office hours, grading assignments, creating homework questions, answering Piazza posts.

OGILVYONE

Taipei, Taiwan

UX Intern

July – August 2016

- Conducted market research and formulated different potential website functionalities and directions to propose to clients. Created end customer research questions for focus groups. Strategized on positioning websites and their key messages in the digital ecosystem
- Created and proposed client IA structures. Helped plan how to best present information to the client
- Worked with a UI designer to help make a client website into a responsive website

COMMAVAULT

Tinton Falls, NJ

Cloud SWE Intern

May – June 2016

- Rebuilt a program with workflows and Java that allows new users to sign up for different types of accounts more cleanly than it previously had. It accesses multiple databases to determine which permissions and functionalities to give the user
- Tested the program after setting up a testing environment that mimicked the deployment one, including various test database tables in SQL

COMMAVAULT

Tinton Falls, NJ

Cloud SWE Intern

May – August 2015

- Worked with graphic designers and created the home, downloads, and hackathon pages for their cloud website
- Created a program using workflows and JavaScript that allows credentials to be flexibly updated. Implemented this program into 50 others. Tested and debugged all of these programs using their test databases

UNIVERSITY OF PENNSYLVANIA, ENGINEERING SUMMER ACADEMY

Philadelphia, PA

Computer Science Residential Teaching Assistant (RTA)

June – July 2015

- Taught high school students how to program in F sharp. Held daily office hours, which allowed for individual help with understanding basic coding concepts. Worked with instructor and other RTAs to provide a fun learning environment
- Acted as a resident assistant for the students: managed residential life, organized trips around Philadelphia, supervised outings, planned fun events, and ordered food for the students

CODING PROJECTS

- **Mind Palace:** With a team, created a VR anti-stress world with an HTC VIVE. Implemented the yoga tutorial module and drawing functionality. Used Unity, C#, and SteamVR. Project received top 30 at PennApps 2016.
- **TravelBuddy:** Used the Yelp and Google APIs to make an app that will allow users to select categories of places they want to find and find the top 10 attractions that fall under one of those categories. Currently working on features to allow users to add locations and create a suggested path between locations based on business hours. Implemented using JavaScript, jQuery, PHP, and SQL.
- **Mini-Minecraft:** created a mini-Minecraft game using C++ with a team. Implemented physics, breaking and texturing blocks, inventory.
- **CollegeEats:** With a team, made an Android recipe-sharing app using Firebase.
- **HighLite:** With a team, wrote a web app in JavaScript that automatically outlines selected information from text into an editor.
- **Tetris:** Built a game of Tetris in Java.
- **Other assignments:** Implemented a Boggle Solver, a calculator, and a chat server in Java. Wrote an LC4 ISA processor in C.
- **Scripts (JavaScript):** Wrote a small script that reads in file paths, links, and descriptions and automatically integrates them onto my website. Wrote another script that acts as a hotkey on Piazza to go to the next unanswered question.

LEADERSHIP

- Penn SPYN: Co-founder, Co-president 2015 – present
- Society of Asian Scientists and Engineers: Cultural/External Chair 2015 – present
- Co-founder and Co-president, National History Day Club 2013 – 2014
- Founder and Co-president, Chinese yoyo club at BTHS 2013 – 2014
- Chinese Yoyo Instructing Teaching Assistant, Fidelity Chinese School 2010 – 2013
- Technology Student Association: Sergeant-at-arms (11), Secretary (12) 2010 – 2014

SKILLS & INTERESTS

- PROGRAMMING LANGUAGES: Java, JavaScript, C++, SQL, C, PHP, **Other:** Android, HTML, CSS
- SOFTWARE: Adobe: Premiere Pro, Photoshop, Dreamweaver, Illustrator, Audition, Flash 3D animation & modeling: Autodesk Maya, Blender; Microsoft Office: Excel, Word, PowerPoint
- LANGUAGES: Native language English, fluent in Mandarin Chinese, conversational Spanish
- INTERESTS: Photography, Chinese-yoyo, Video editing, Rock climbing, Card creation