Grace Huang

Email: ghua@seas.upenn.edu
Website: gracehuang.net

OBJECTIVE: To obtain an internship in the field of computer science

EDUCATION

University of Pennsylvania Class of 2018
Major: Computer Science - Digital Media Design Program
Courses taken: Java, Discrete Math, Drawing 1, Writing Seminar, Calculus I

Biotechnology High School (Freehold, NJ) Class of 2014   International Baccalaureate diploma

SKILLS

Languages: Native language English, fluent in Mandarin Chinese, conversational Spanish
Computer languages: Java, JavaScript, HTML, CSS, jQuery, SQL
Software: Adobe: Premiere Pro, Dreamweaver, Audition, Photoshop, Illustrator, Flash; Eclipse;
        3D animation/modeling: Blender, Autodesk Maya;
        Microsoft Office: Excel, Word, PowerPoint

EXPERIENCE

Intern at Epross Inc. in Taipei, Taiwan (05/2014-06/2014):
- Quality checked the Avcon 6 video conference software
- Designed a product introduction video for Avcon 6 (Adobe Premiere Pro, Audition, After Effects)

Private tutor (11/2013 – 05/2014): Tutored a 7th grade international student in all subjects, especially English.

PROJECTS (CIS110, JAVA)

- **Maze:** a program that can find the solution to a maze using depth first search (recursive, binary tree, linked list)
- **Tour:** a program that can, using linked lists, create a path by inserting the point of interest:
    - At the end of the path
    - By connecting it to the point in the path it is closest to
    - Such that it causes the smallest increase in path length
- **Harp:** a program that can create harp-like sounds by enqueueing and dequeuing frequencies
- **Recursive Graphics:** a program that draws random animated recursive bubbles
- **Histogram:** a program that compares similar items in a pool of items and creates a histogram to show the similar matching costs
- **Cheat Checker:** a program that compares strings and calculates the best or worst offset
- **Nbody:** a program that makes planets rotate around a sun based on their respective gravitational forces

Source codes available upon request

RESEARCH

- Manuscript "Biodegradation of Conventional versus Synthetic Motor Oils by *Pseudomonas fluorescens* Under Varying Temperatures" accepted by International Conference on Engineering and Applied Science (ICEAS), Beijing, China, July 24-27, 2012

MULTIMEDIA PROJECTS

- **[Girl Scout Gold Award](#)** – Teaching Chinese Through Multimedia (2012)
  Led a team to design the curriculum and film, record, develop and edit 5 video episodes to teach Chinese language and culture using Adobe Premiere Pro, Audition, and Photoshop
- **National History Day** (**NHD**) – [Animating the future: Walt Disney's Snow White and the Seven Dwarves (2013);](#) [The Act of Dedication: Preserving Environmental Rights and Establishing America's First National Park (2014)](#)
  Interviewed professionals, researched extensively, and designed, developed, and edited each 10 minute documentary using Adobe Premiere Pro and Audition
- **Technology Student Association** (**TSA)** – 3D Animation about the [immune system (2013), nervous system (2014)](#)
  Modeled, designed, animated, and produced a 3-D animation about the immune system, and another animation about the nervous system using Blender and Maya
- **[Verizon App Challenge](#)** - Gateway (2013)
  Designed the interface of a potential app and created a video explaining how it would work; worked with a team to develop the app concept

EXTRA-CURRICULAR ACTIVITIES

Dining Philosophers: Jobs and Entrepreneurship Committee	2014 – present
PEER Mentoring program	2014 – present
Penn Taiwanese Society	2014 – present
Co-founder and Co-president, National History Day Club	2013 – 2014
Chinese Yoyo	
Founder and Co-president, Chinese yoyo club at BTHS	2013 – 2014
Instructing Teaching Assistant, Fidelity Chinese School	2010 – 2013
National Honor Society	2012 – 2014
Technology Student Association: Sergeant-at-arms (11), Secretary (12)	2010 – 2014

ACADEMIC PROGRAMS/COURSES

- Brookdale Community College, Lincroft, NJ
  - Web Design Using HTML COMP166 Fall Semester, 2013. Grade: A
- Columbia Science Honors Program, Columbia University, 2013-2014
  - Programming in Java, Graph Theory
- iD Tech camps at Columbia University:
  - HTML5&CSS Coding with Adobe Dreamweaver, August 5 - 9, 2013
  - Web Design & Digital Photography – Photoshop & Lightroom. August 12 - 16, 2013
- Computer Graphics in Summer Academy in Applied Science and Technology (SAAST), University of Pennsylvania, July 7 - 27, 2013. Grade: A