



# Grace Huang

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

## EDUCATION

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**University of Pennsylvania** Class of 2018

Major: Digital Media Design Program under Computer Science

Courses taken: Java, Discrete Math, Drawing 1, Writing Seminar, Calculus I

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

## SKILLS

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**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

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**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 7<sup>th</sup> grade international student in all subjects, especially English.

## PROJECTS (CIS110, JAVA)

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- **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

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- 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

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- **[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

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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

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- 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