

# TERESA FAN

Permanent Address: 795 Bogert Rd, River Edge, NJ 07661  
teresaefan@gmail.com • 201.783.2790  
teresafan.com

## EDUCATION

Philadelphia, PA  
expected May 2016

**University of Pennsylvania** | *School of Engineering and Applied Sciences*

Bachelor of Science in Engineering, Digital Media Design

*Cumulative GPA 3.65*

### Relevant Coursework

Intro to Computer Graphics Techniques, Software Design and Engineering, Advanced 3D Computer Modeling and Sculpture, Programming Languages and Techniques II: Data Structures in Java, Intro to Computer Systems

## TECHNICAL SKILLS

Proficient: Java, C++/Qt, HTML/CSS, Javascript

Adobe Photoshop, InDesign, and Illustrator, Autodesk Maya

Familiar: C, Android, OCaml, Python

Autodesk Mudbox and MotionBuilder, Unity

## PROJECTS

May 2014

**Mini Maya** (*Group Final Project for Intro to Computer Graphics*)

- A simplified version of Autodesk Maya, a 3D computer graphics software, coded in C++ with OpenGL and Qt GUI framework.
- Implemented free-form deformation and procedural global transformations like twist, bend, and taper.
- Implemented import and export of OBJ files.

May 2014

**Women's Health Toolkit** (*Group Final Project for Software Engineering*)

- Created an informational Android app for Penn Nursing.

Sept 2013

**The Strugglebus** (<http://www.seas.upenn.edu/~terfan/strugglebus/pennapps2013f/>)

- Project created with 3 other team members for PennApps Fall 2013, featured in BuzzFeed article 9/30/13 and having over 230,000 hits as of 9/14/14.
- Handled all Javascript and design.

## EXPERIENCE

Mountain View, CA  
May 2014 – Aug 2014

**Engineering Practicum Intern, Google Inc.**

- Created overhaul of the Google Translate Chrome extension on the Translate Frontend team.
- Took active part in design process (created a mockup) and implemented the UI.
- Worked with existing code to get translation results for the new functionality and maintain the old functionality.

Philadelphia, PA  
Aug 2013 – May 2014

**Student Ambassador, Google Inc.**

- Liaising for Google at Penn; promoting products and organizing events.

Philadelphia, PA  
May 2013– July 2013

**Research Assistant, SIG Center for Computer Graphics**

- Cleaned motion capture database, managed CG@Penn website, refactored C++ script for Maya.
- Created facial animations for use in study evaluating whether head and eye movements can be used to convey how much an NPC trusts the player in a game environment  
(*listed as a contributor in corresponding paper published for the Motion In Games conference 2013*).

Philadelphia, PA  
Sept 2012 –

**Designer, Penn Advancing Women in Engineering Program**

- Creating promotional materials for various events dedicated to recruiting, retaining, and promoting women in Penn Engineering.

## SPECIAL PROGRAMS

Mountain View, CA  
June 2013

**Google Chrome Academy**

- Spent 1 week with 28 other students at Google HQ learning about cutting-edge web technologies and tools.
- Collaborated with 4 other students to create Twine ([www.twine.rs](http://www.twine.rs)), a web application that allows users to send targeted emails based on queried interests (integrated with Facebook and Gmail).

## HONORS and AWARDS

LinkedIn Intern Hackday 1st Place Team (2014), Diane Chi Summer Research Awards Rising Star (2013), National Merit Scholar (2012), Internal Doodle for Google National Winner (2011)

## EXTRACURRICULAR ACTIVITIES

Women in Computer Science (Co-President 2014- , Board member 2012-14), Penn Lions (Internal Vice President 2013-14, Member 2012- ), Society of Women Engineers