

Crystal Lee

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Education

University of Pennsylvania, School of Engineering and Applied Science Philadelphia, PA
BSE in Digital Media Design, Dept. of Computer and Information Science, May 2019

Cumulative GPA: 3.41/4.00

Relevant Coursework

3D Modeling*, Programming Languages and Techniques I & II, Interactive Computer Graphics, Advanced Computer Graphics*, Art Design and Digital Culture, Software Design/Engineering*

*currently taking

Skills

Programming Languages: Java, C++, OpenGL, Javascript, HTML, CSS, OCaml, Swift

Graphics: Adobe Creative Suite (Photoshop, Illustrator, InDesign), Autodesk Maya, Google Sketchup

Languages: English, Korean, basic Spanish

Other: Microsoft Excel, Microsoft PowerPoint, Microsoft Word

Projects

UPenn Transplant Rehabilitation App

Spring 2017

- Developed a web application to rehabilitate patients after liver, lung, or kidney transplants, which will soon be used by real medical practitioners at the Hospital of the University of Pennsylvania.
- Communicated with a client to determine what features were needed, and presented deliverables in two-week iterations.
- Worked with two team members over the course of eight weeks using Javascript, HTML, and CSS.
- Gained experience with both frontend and backend database management.

Path Tracer

Spring 2017

- Created a Monte Carlo Path Tracer renderer using C++ and OpenGL. Worked alone over the span of 7 weeks, with a deliverable due each week.

Mini Minecraft

Fall 2016

- Replicated the video game "Minecraft" over three weeks using C++ and OpenGL with two team members.

PennApps XIII

Spring 2016

- Created a game application using Swift with two other team members.

Work Experience

Penn GEMS: Girls in Engineering, Math and Science; Counselor

Summer 2016

- Mentored and taught middle school girls who were interested in becoming engineers over a week-long day camp.

PIVOT – Barrigada, Guam; Summer Intern

Summer 2015

- Designed logos and storyboards for commercials for an advertising firm.

Activities

Korean Student Association, Member

Fall 2015 – Present

Women in Computer Science, Member

Fall 2015 – Present