DILLON YAO

Linked-In: https://www.linkedin.com/in/dillon-yao-b24329102
GitHub: https://github.com/yaoius
Bitbucket: https://bitbucket.org/dillon_yao/ (Feel free to contact me for access to private repos)

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94547

Website:

dillonyao.tk

Education

University of California, Berkeley — Fa2015 - Fa2018 (Expected)

Major: Electrical Engineering and Computer Science
GPA: 4.0
Standing: Senior
Relevant Coursework:

CS61A: The Structure and Interpretation of Computer Programs
CS61B: Data Structures
CS61C: Great Ideas in Computer Architecture
CS70: Discrete Mathematics and Probability Theory

CS170: Efficient Algorithms and Intractable Problems
EE16A/B: Designing Information Devices and Systems
CS188: Intro to AI
CS161: Computer Security
CS184: Intro to Computer Graphics

Skills

Programming Languages:

Python	Java	C/C++	MIPS
Scheme	HTML	CSS	SQL

Projects

- Text editor using Java FX
- Mapping application for the Berkeley area with path finding capabilities using Java.
- MIPS assembler, linker, and CPU using C and MIPS assembly. CPU build using logisim
- TCP server in python that hosts a web app, allowing for access to files hosted on a local computer to be accessed from anyone connected to a local network
- CNN-News crawler that displays real time headlines and stories in terminal
- COLLADA Mesh Viewer and Path Tracer in C++ featuring mesh up sampling with subdivision surfaces, global illumination, environment lighting, several BRDF implementations, and camera lensing effects.
- Cloth simulator, using a spring-mass model and vert integration to simulate realistic cloth movement and collision.

Organizations and Honors

National Honor Society — 2012 - 2015
Mu Alpha Theta — 2013 - 2015
Tau Beta Pi (Engineering Honor Society) — 2015 - Present
Dean's List — Fa 2015, Sp 2016, Fa 2017

Additional Experience

FRC/FTC Robotics Team Captain — 2013 - 2015
Brandies Latin Club Vice President — 2012 - 2013
Brandeis Orchestra Librarian — 2014 - 2015
Brandies University Scholastic League Team Captain — 2013 - 2015
CS61A Course Tutor and Lab Assistant — Fa 2016 - Sp 2017