Dennis Lee

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dennislee.me

Education

Electrical Engineering and Computer Science
University of California - Berkeley
Berkeley, CA
Current Freshman

Conestoga High School
GPA : 5.15
Graduated June 2015

Current Classes

CS61A – The Structure and Interpretation of Computer Programs
EE16A – Designing Information Devices and Systems
Math54 – Linear Algebra and Differential Equations

Other Classes

Machine Learning (Online, Stanford)

Design and Analysis of Algorithms (Online, Stanford)

Algorithms (Online, Princeton)

Skills

Worked with design and simulation software – Solidworks and ANSYS Fluent
Programming Languages – Java, Python, C++, Matlab
Languages – Mandarin, Spanish

Projects

Contour map generator using Perlin Noise, Square-Diamond, Teleological generation algorithms, rendered with Unity
Game AI using machine learning algorithms to find optimal strategy and positioning
Google Chrome extension – encourages taking breaks by blocking the screen

Internships

Research Assistant, University of Pennsylvania, Philadelphia, PA
June - August 2014

Worked on UV sensor for detecting citrus blight

Research Assistant, Villanova University, Villanova, PA
May – July 2015

Ran simulations and improved nanoaquarium design
Wrote tutorial for Solidworks and ANSYS Fluent

Other

Science Presenter (Volunteer), Franklin Institute, Philadelphia, PA
2013 - 2015

Ran demonstrations and presented science to visitors

Computer Science Club
2011-2015, President 2015

Competed in regional programming contests
Organized events for local community and other students