THEODORE A. DYER

PERSONAL INFORMATION

Santa Clara, CA

(425)236-4036

tdyer@ucsc.edu

RELEVANT LINKS

theodoredyer.github.io

linkedin.com/in/theodoredyer

github.com/theodoredyer

EDUCATION

University of California, Santa Cruz - Santa Cruz, CA

Bachelor of Science - Computer Science

Expected Graduation - June 2020

Relevant Coursework:

- Computer Systems Design
- Computer Graphics
- Data Programming for Visualization
- Computational Methods and Applications

- Compiler Design
- Computer Architecture
- Mobile Application Development
- Analysis of Algorithms

DEVELOPMENT EXPERIENCE

Unity Development Intern

Big Picture Game Studio

(June 2019 - October 2019)

- Developed progression and currency systems in addition to core gameplay logic in C# working in a small team environment.
- Collaborated with artists in the design and integration of UI elements to create an intuitive experience.

WebGL Project Work

Hosted on people.ucsc.edu/˜tdyer/

(April 2019 - June 2019)

- Created an interactive 3D graphics visualization utilizing lighting, key framing, and camera control in a group of 3.
- Personally developed a physics system for object manipulation.

Data Visualization

SPGA and Personal Projects

- Using D3.js and accompanying HTML/CSS, performed analysis and visualization of Seattle police data, identifying issues in police accountability.
- Created a population density heat map of Washington state to link above patterns to county population.

SKILLS

Languages and Platforms

- Proficient: Java, C, Python, JavaScript, HTML, CSS, D3.js, Unity, OpenGL
- Some Experience: React.js, C++, Assembly, Haskell

Non-technical Skills: Communication, Organization, Leadership, Creative Problem Solving.

LEADERSHIP EXPERIENCE

Vice President

Tau Kappa Epsilon Fraternity (Upsilon Pi Chapter)

(May 2019 - Present)

- Oversaw work of the fraternity's committee chairmen, provided them with detailed feedback aiming to shape them into more effective leaders, and oversaw the work of all executive members in the absence of the president.