

THEODORE A. DYER

PERSONAL INFORMATION

Santa Clara, CA
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RELEVANT LINKS

theodoredyer.github.io
linkedin.com/in/theodoredyer
github.com/theodoredyer

EDUCATION

Johns Hopkins University - Baltimore, MD
Master of Science - Computer Science (Focus in Data Science and Cloud Computing)
Expected Graduation - August 2022

University of California, Santa Cruz - Santa Cruz, CA
Bachelor of Science - Computer Science
Graduation - June 2020

Relevant Coursework:

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|--|----------------------------------|
| - Data Programming for Visualization | - Compiler Design |
| - Computer Graphics | - Computer Architecture |
| - Computer Systems Design | - Mobile Application Development |
| - Computational Methods and Applications | - Analysis of Algorithms |

DEVELOPMENT EXPERIENCE

Data Visualization

SGPA and Personal Projects

<https://theodoredyer.github.io/projs.html>

- 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.

Unity Development Intern

Big Picture Game Studio

(June 2019 - October 2019)

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

WebGL Project Work

(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.

SKILLS

Languages and Libraries:

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|---|-------------------------------|
| - Python (Pandas, NumPy, Seaborn, scikit-learn) | - JavaScript (D3.js Data Vis) |
| - Java | - SQL (SQLite) |
| - C | - OpenGL (Web Graphics) |
| - HTML/CSS Fundamentals | - Unity |

Familiar With:

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|------------|-----------|
| - C# | - Docker |
| - React.js | - Node.js |
| - Haskell | - C++ |