Timothy Tucker

Electrical Engineering and Computer Science Student

Tacoma, WA • timothytucker@berkeley.edu • 619-616-1381

linkedin.com/in/tim--tucker • github.com/timothytuckerr • ocf.berkeley.edu/~timtucker

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EDUCATION

University of California, Berkeley - Berkeley, CA   **May 2024**
B.S. Electrical Engineering and Computer Science   *3.85 GPA*
Relevant Coursework:
- Fall: The Structure and Interpretation of Computer Programs (Python, Scheme, SQL), Multivariable Calculus, Intro to Web Development
- Spring: Data Structures (Java), Designing Information Devices and Systems

Bonita Vista High School - Chula Vista, CA   **June 2020**
International Baccalaureate Diploma, 4.4 GPA
Relevant Coursework:
- AP Computer Science A (5)

EXPERIENCE

Berkeley Art Museum and Pacfic Film Archive   **March 2021 - Present**
Web Developer
- Lead web developer responsible for design, development, and curation of a website hosting BAMPFA's annual film festival to occur over a month
- Leveraged jQuery and Angular to create interactive, animated interface

ThoughtSTEM LLC - San Diego, CA   **June 2019 - July 2019**
Software Engineering Intern
- Developed and shipped educational software in Racket used to teach introductory programming concepts to K-12 students
- Managed and contributed to a collaborative GitHub repository of 40 interns
- Taught ThoughtSTEM's coding curriculum to over 120 students

PROJECTS

BearBucks   **September 2020 - December 2020**
JavaScript, HTML, CSS
- Developed a web application designed to help students and campus organizations organize their finances with a team of student developers
- Paired a responsive frontend design with ChartJS to generate realtime analytics
- Designed and implemented cross-user interaction, enabling group collaboration

CS:GO Data Analysis   **March 2020 - May 2020**
Java
- Analyzed over 300,000 rounds of Counter Strike: Global Offensive as part of an IB Math HL research paper on probabilistic analysis
- Leveraged knowledge of Java to generate realistic probability functions and integrate variable kernel density estimations

AWARDS   **Eagle Scout - Boys Scouts of America**   **November 2019**