**Lucas F. Peterson**

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lpeterson52.github.io

# Education

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**Freshman** at UC Santa Cruz

Degree Expected: **B.S. Computer Science**

University of California Santa Cruz

Expected graduation: Spring 2028

**Work Experience** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Papermech Project, University of Colorado at Boulder - CraftTech Lab**

July 2024 - Present

Worked as a software developer to refactor code for a mechanical engineering design learning website papermech.net.

Worked to update existing JavaScript code to es6 and reduce redundancies within the code.

**Coding Instructor - Explora Science Center and Children’s Museum**

*Summers 2022- 2024*

Taught MakeCode to middle school youth in science camp

Contributed code bases for instructors to support BBC micro bits

**Projects** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Nutritional Info Web Scraper:** Created a web scraper using Python to pull the nutritional info from the UCSC dining website, such as the amount of calories, fat, carbohydrates, and protein in each dish in order to be integrated into a nutrition tracker app for the UCSC dining hall in the future.

# Technical Skills and Coursework

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**Skills:** Most experienced in Python

Languages

Javascript, Java, HTML, CSS, Chart.js, Swift, SwiftUI, Assembly

Tools

Visual Studio, GitHub, git

**Relevant Coursework:**

| * Python Abstractions * Computer Systems and Assembly Language   References Available Upon Request |  |
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