

# Vincent A. Titterton

## Studies Computer Science at the University of California, Santa Cruz

+1 (510) 912-4872

[vince8nt@gmail.com](mailto:vince8nt@gmail.com)

[My Portfolio](#)

[LinkedIn](#)

[GitHub](#)

## Education

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University of California, Santa Cruz - 3.97 GPA

Sept 2019 - present

- Sophomore, Computer Science major

University of California, Davis - 3.8 GPA

June - July 2017

- Took summer classes while in high school: Statistics 13 and PHE 044.

## Experience/Projects

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[Formula Slug](#) - C++

- School club that builds an electric race car and competes in the SAE Collegiate Chapter.
- I contribute through software written in C++.

[Battleship](#) - Java / Swing

- Single player battleship game with randomly spawned ship locations.
- Goal is to sink all the ships in as few moves as possible.

[Tic Tac Toe with AI](#) - Python

- Single player tic tac toe game.
- Checks all possible moves recursively to determine where the best place to move is.

[Shortest Path Finder](#) - C / Breadth First Search

- Finds the shortest path between two vertices on an unweighted graph.
- Uses Breadth First Search on an adjacency list representation of a graph.

[Connected Component Finder](#) - C / Depth First Search

- Finds the strongly connected components an unweighted, directed graph.
- Uses Depth First Search on an adjacency list representation of a graph.

[My Portfolio Website](#) - HTML / CSS / Bootstrap

- My personal website where I feature some of my coding projects

## Skills

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**Languages:** Java, C, Python, C++, Assembly, HTML, CSS

**Tools:** Git, Unix, GNU Make

## Relevant Course/Subject History

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**Coding:** Object Oriented Programming, Assembly Language, Advanced Programming, Java, C, C++

**Theory:** Data Structures, Search/Sorting Algorithms, Graph Algorithms, Abstract Data Types, Algorithm Analysis

**Math:** Discrete Math, Linear Algebra, Statistics, Graph Theory, Multivariable Calculus

## Awards and Honors

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UC Santa Cruz Dean's Honors (x2)

2018 - 19

CMPS 12A Top 15 Final Projects

Dec 2018

Piedmont High School Honor Society

2016 - 18

## Work and Volunteer History

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**Key Club International:** Volunteer organization (community service)

2016 - 18

**Full Belly Farm:** Volunteer annually at the Hoes Down Festival

Oct 2014 - present

**Math Tutoring:** Tutored students in algebra, trigonometry, calculus

2017 - 18

**Election Day Poll Worker:** Set up, operated, and broke down a polling station

2018

**Construction work:** Hired by a neighbor for landscaping and construction

summer 2019

**Hugh Groman Catering:** Serve food and bus dishes in high class events

June 2019 - present