

# Davis Carmichael

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## Profile

**Physics and Computer Science degree from Chapman University.**

Take initiative learning new technologies.

Enjoy solving challenging and increasingly complex problems.

Able to view and comprehend a complex system.

## Skills:

Programming Languages (Java, C/C++, C#, python, Rust, Haskell)

Database Technologies-DyanmoDB, SQL

Docker and System programming

Classical Mechanics, Thermodynamics, Quantum Mechanics

Mathematical and scientific computing methods of analysis

(differential equations, Fourier transforms)

Optics Laboratory methods and theory

Communicate difficult concepts and relay them in a simple manner

## Work Experience

Supplemental Instructor at Chapman University Physics (Fall Term 2022)

Worked for the Tutoring and Learning Center at Chapman University for introductory physics courses. Provided tutoring and sessions for students to practice and improve physics skills.

Evan's Creek Landscaping (Summer 2019, 2021)

High quality landscaping work ranging from wood finishing and installation to planting gardens. Detail specific work.

<https://evanscreek.net/>

- Digging trenches, and postholes
- Removing and replacing lawns

## Academic Experience

TheBuzz

Writing UI and backend code for a web application project with students at the University of Washington. TheBuzz is built with Springboot, Amazon DynamoDB, thymeleaf, and other web technologies.

<https://github.com/daus-s/TheBuzz/>

Features of the prototype include:

- Login and authentication
  - Account verification using email confirmation
  - Upload feature for posts that can include text and image
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## Leadership

**Chapman Track and Field and Cross Country Leadership Committee (2019-2021)**

Leadership committee and captain delegated to foster a competitive and positive environment to ensure the success of the team. Responsibilities include organizing extra training and nurturing team camaraderie.

**Saint Andrews Lutheran Church Congregation Council (2015-2016)**

Youth Representative elected in 2015 by congregation.

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## Education

**Chapman University, Orange, CA, 2018-2022**

**Bachelor's of Science in Physics**

**Bachelor's of Science in Computer Science**

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