

Davis Carmichael

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Profile

Physics and Computer Science degree from Chapman University.

A highly motivated and skilled individual with a dual degree in Physics and Computer Science from Chapman University. Proficient in programming languages such as Java, C/C++, C#, Python, Rust, and Haskell. Strong understanding of database technologies, system programming, and mathematical and scientific computing methods of analysis. Experienced in tutoring and leading teams in a positive and competitive environment

Skills:

- Programming Languages: Java, C/C++, C#, Python, Rust, Haskell
- Database Technologies: DynamoDB, 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
- Strong Communication Skills

Work Experience

Supplemental Instructor at Chapman University Physics (Fall Term 2022)

I worked for the Tutoring and Learning Center and provided tutoring and sessions for students to practice and improve their physics skills. I communicated difficult concepts and relayed them in a simple manner. I communicated with the professors of the courses to see what concepts the classes struggled with in general, how to approach those topics as well as remaining open to individual student's questions. This allowed me to provide some help for all students and as well as more precise answers for those seeking more specific questions.

Evan's Creek Landscaping (Summer 2019, 2021)

As a Landscaper at Evan's Creek, I was responsible for cleaning job sites daily, completing electrical work, performing physical labor tasks such as digging trenches, and assisting in planting and maintaining delicate plants. I also operated and maintained various landscaping equipment and worked closely with the team lead to ensure deadlines were met. My skills included attention to detail, electrical work experience, physical labor, plant care and maintenance, and experience with landscaping equipment.

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.

Education

Chapman University, Orange, CA, 2018-2022

Bachelor's of Science in Physics and Computer Science