

# Richard Graedon Beeler

## EDUCATION

### Chapman University

August 2022 - May 2026, Orange, CA

- Major: Software Engineering, Minor: Economics
- Expected Graduation: 2026
- Current GPA: 3.64
- Student Athlete - Cross Country, Track and Field
- Leader - InterVarsity Christian Fellowship

### Livermore High School

August 2018 - June 2022, Livermore, CA

- 4.5 GPA
- Member of National Honor Society (2020-2022)
- Livermore Green Engineering Academy (2019-2022)
- LHS varsity cross country and track team (2019-2022)
- 2021 AP Scholar Award
- Intro to Computer Programming, AP Computer Science A
- 50+ hours of community service

## PROJECTS

- Built a portfolio website for myself using React, self-taught. Implemented Gestalt Principles and Nielson's Heuristics as required by my Human Factors class.
- Created a 2d hangman game for a Game Design class, later expanding it with additional modes, including AI and story modes. Currently developing a 3d third-person adventure game on Unity for fun.
- Built a terminal-based simulation of Super Mario using C++, leveraging pointers and primitive arrays. Created a simulation of the card game "Spoons" using OOP in Java.
- Developed a C++ program to analyze DNA sequences and identify genetic palindromes using custom-built doubly linked lists.
- Used supervised and unsupervised machine learning models to analyze/classify/predict data using the activity dataset of an athlete on Strava, an app that tracks physical activities. Models included linear regression, logistic regression, K-means clustering, LASSO, and PCA.

## EXPERIENCE

### Sunrise Mountain Sports — Employee

May 2022 - August 2023, Livermore, CA

### Skyhawks — Coach

June 2021 - August 2021, Tri-Valley, CA

### Game Officials — Referee, Assistant Referee

August 2018 - 2020, Livermore, CA

### Sunpower Solar Energy Academy - Student Intern

July 2019, San Pablo, CA

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## SKILLS

**Technical Skills:** Python, Java, C/C++, HTML, C#, JS, React, CAD software, Linux/Unix, Eclipse, VS/VS Code, JetBrains, Unity, Docker, GitHub

**Soft Skills:** Teamwork, Communication, Critical thinking, Problem-solving, Organization, Presenting, Scheduling/Planning, Agile/Scrum

## RELEVANT COURSEWORK

**22-23:** Engineering 101, Intro to Computer Science (Python), Linux/Unix, CPSC in C++, Object Oriented Programming in Java, Discrete Mathematics, Multivariable Calculus

**23-24:** Data Structures and Algorithms, Ethics in CPSC, Visual Programming, Statistics, Data Science, Human Factors, Linear Algebra and Differential Equations

**24-25:** Software Requirements and Testing, Software Design, Technical Writing and Communication

## LINKS

[www.linkedin.com/in/graedon-beeler-a81281292](https://www.linkedin.com/in/graedon-beeler-a81281292)

<https://github.com/gbeelerr>

<https://richardgraedonbeeler.site>