

Colin Wallace

Pleasanton, CA • wallacecolin2003@gmail.com • (925) 201-9760 • <https://www.linkedin.com/in/colin-wallace-a63869255/>

EDUCATION

Expected May 2026

University of Colorado, Boulder: Computer Science Bachelor's Degree (B.A.) (Minor in Business)

- Getting Bachelor of Arts in Computer Science
- Declared a minor of Business
- Gives me in-depth knowledge of various aspects of computer science

Amador Valley High School

- 3.89 GPA (through 4 years)
- Advanced Classes: AP Calc AB, AP Stat, AP Government, AP Macroeconomics, AP Psychology, AP Language & Composition & AP World History
- Amador Valley High School diploma recipient

COMPUTER SCIENCE EXPERIENCE

- **CSCI 3104 - Algorithms** (Course Completed)
 - The primary goals include surveying fundamental algorithm design techniques, analyzing algorithm runtime complexities, and identifying computational problems that are unlikely to have efficient algorithmic solutions. Topics include shortest path problems, and computing minimum-weight spanning trees, asymptotic notation (e.g., Big-O), and techniques to ascertain and compare the asymptotic runtimes (e.g., Calculus techniques, Recurrences), and divide & conquer and dynamic programming paradigms.
- **CSCI 2400 - Data Systems** (Course Completed)
 - Topics include: Computer architecture, binary representations, binary arithmetic and overflow, Assembly Language Programming (some 32-bit and mostly 64-bit x86) with Integers, IEEE Floating Point Representation, Stack and/or Frame Pointers and their relation to Function Calls, Buffer Overflow, Instruction-level parallelism, pipelining, caching, Performance Optimization of Software Programs, linking, exceptional control flow, and virtual memory
- **CSCI 2270 - Data Structures** (Course Completed)
 - Studies data abstractions (e.g., stacks, queues, lists, trees) and their representation techniques (e.g., linking, arrays). Introduces concepts used in algorithm design and analysis including criteria for selecting data structures to fit their applications. Topics include data and program representations, computer organization effect on performance and mechanisms used for program isolation and memory management.
- **Classes In Progress**
 - CSCI 3308 - Software Development and Methods
 - CSCI 3287 - Database Systems
 - CSCI 3155 - Principles of Programming Languages
 - CSCI 3022 - Intro to Data Science with Probability and Statistics
- **Familiar Coding Languages**
 - C++, C, Java, HTML, CSS, TypeScript, JavaScript, SQL, React

WORK EXPERIENCE

Summer 2024

YPrime Inc., Malvern, PA

Software Development Intern

Contact: Andy Leszczewski - (828) 768-5663, leszczewskiaj@gmail.com

- Worked on the creation and development of a clinical trial website that aimed to automate and organize a clinical study efficiently through their eCOA product solution.
- I personally created an entire tab for their website that allows the admin of the study to connect any reference material needed for the patients to complete their required questions and information.
- Worked with the entire codebase to connect the SQL Database that stores the website's data to properly add, import and delete reference material through backend API calls that were manipulated using the service files that allowed for the interaction between the front- and back-end

Summer 2023

Growfit Inc., San Ramon, CA

Caregiver and Supervisor

Contact: Jonathon Kennedy - (424) 653-0326

- Managed groups of 3 years old to 12 years old by supervising and creating games and activities that exposed them to a variety of sports
- Communicated with the children's parents about any health concerns or special notes that could help give their child the best experience possible
- Used my social and emotional intelligence to make sure no member of the camp felt unsafe or uninvited

Fall 2019-Spring 2020

Target, Dublin, CA

Technology Associate

Contact: Taylor Hsue - (925) 785-8619

- Installed Technology items into sections 3 times a week & offered quality customer service
- Supervised back-stock inventory and maintained quality back-stock by organizing items through computer software
- Protected and secured all high-priced technology items and researched information about items to inform potential buyers

LEADERSHIP & VOLUNTEERING

Amador Valley H.S. Every Fifteen Minutes Program, Pleasanton, CA

Executive Member

- Coordinated a guest speaker, created 4 fundraising opportunities, & formulated 8-month calendar with mandatory deadlines
- Contacted police, firefighters, ambulance and urgent cares to use facilities and props

Varsity Lacrosse & Basketball, Pleasanton, CA

3x Captain for both teams

- Engineered team strategies and game-plans every week with coaching staff (ex. plays, matchups & potential exploits)