SAMUEL VO

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WORK EXPERIENCE

Private Tutor — General Tutoring, AP, & STEM Tutoring   Feb 2018 — Present
- Developed critical-thinking skills in students, to be able to tackle higher-order problems
- Reconciled mathematical foundations by developing relationships between equations/techniques & real-world problems and practicality
- AP English Lit, AP English Lang, AP Calculus, APUSH, AP European History, AP US Government

Manager — Panera Bread   Jun 2021 — Present
- Strategic, retroactive evaluation of inventory sales-figures to decrease food costs by 103%
- Effective coordination between team members — schedules, shifts, and responsibilities
- Proactive future-proofing with catering coordination and direction for larger organizations
- Constant, numbers-driven consolidation between labor needs and projections to decrease costs by 27.8%

Community Project Leader — Gavilan College   Aug 2022 - Jan 2022
- Bridged effective communication to Santa Cruz City Hall to discuss the city's service needs
- Outsourced for acquisition of, and managed allocation of, personnel, materials, and equipment to complete our tasks and objectives

STEM & Computer Science Advisor & Tutor — Gavilan College   Sep 2022 - Present
- Tutored students in STEM coursework in all levels of calculus, physics, & prerequisite material.
- Tailored personal academic success plans, with students seeing a 56.3% grade increase on average.
- Bugfixed logical coding errors in students' assignments; Visually represented programming paradigms, data structures, and algorithms to resolve conceptual inconsistencies.

Fullstack Developer Intern — San Jose State University, College of Engineering Jun 2023 - Present
- Developed mobile-responsive webpages for OAuth protocol and other such user-facing pages
- Utilized Spring Boot and WireShark to develop REST API handlers for endpoints in accordance with ActivityPub protocol, as well as other server-to-server and client-server requests in IntelliJ
- Stored and managed account data in organized collections and databases utilizing MongoDB and Compass GUI
- Leveraged Spring Flux to make tasks non-blocking and use event-driven parallelism to increase efficiency of tasks

EDUCATION

William Howard Taft Charter High School   HS Diploma, Class of 2021
- 3.91 UW GPA / 4.45 W GPA

Gavilan College, Physics, Associates of Science   2021 — 2024

Gavilan College, Mathematics, Associates of Science   2021 — 2024

Gavilan College, Computer Science: Software Engineering, Associates of Science   2021 — 2023
- 3.85 GPA
- Computer Science Club, GEAR Engineering Club, Gavilan Literary Society, STEM Academy, EOPS Club, MESA

RELEVANT COURSEWORK

- Python Programming, C++, C++ II, UNIX/LINUX Operating Systems, Discrete Structures, Computer Architecture
- Statistics, Differential Calculus, Integral Calculus, Multivariable Calculus, Newtonian Mechanics, Electromagnetism

SKILLS

- Languages: JavaScript, CSS, HTML, C++, Java, Python
- Technologies: MongoDB, Spring Boot MVC, Spring Boot WebFlux
- Tools: Git, GitHub, CodeLion, VSCode, IDLE3, IntelliJ, WireShark, MongoDB Compass

ACHIEVEMENTS

AP Scholar — with Honors   2020

AP Scholar — with Distinction   2021

Panera Dream Project Scholarship — National Competition   2022

Dean's List — Gavilan, Taft Charter High   2016 — Current