# KEVIN TAYLOR

kevin.taylor1924@gmail.com | #925-877-6898

## SKILLS

Fluency in HTML, CSS, JavaScript, TypeScript, Python, Java, Kotlin, C, C++, Dart, and SQL. Comfortable with the Unreal Engine Blueprint Framework, PostgreSQL, Node.js, Socket.io, REST API, Flutter Framework, Chrome extension framework, SciKit Learn, Tensorflow, and PyTorch. GitHub portfolio with a few of my projects – https://github.com/kwt00.

## EXPERIENCE

### Student - Monte Vista High School, Junior - *Graduating 6/25*

- GPA: 4.9 weighted, 4.0 unweighted, 1580 SAT
- Honor Roll 2021-2023
- California Scholarship Federation - Member '21-'23
- Gold Presidential Volunteer Service Award '22, '23
- Chess Club – President '21-'23
- Coding Club – President '22-'23
- Robotics Team – Member '21-'23
- National Honors Society - '21-'23

### Creator | Alpha Blue AI *03/2023 - Current*
- Developed custom-trained large language model(LLM) for free online academic tutoring
- Developed mobile app, Google Chrome extension, and website versions of research tool sourcing tool with 4m+ sources for upcoming release in December 2023

### Researcher | *01/2023 - Current*
- Authored research paper on multimodal stock price prediction models
- Used PyTorch with the BERT architecture with custom-built dataset of length > 8,000
- Currently in preprint and in the process of conference applications

### Writer | *05/2022 - 10/2023*
- Authored "Fundamentals of Quantum Computing: An Analogy-Based Guide" including quantum state theory, explanations of quantum gates and algorithms, further quantum phenomena such as coherence and wavefunction collapse, and discussion of quantum hardware
- Self-published on Amazon for $0.99

### Programming Instructor | KT Tutoring *11/2022 - Current*
- Self-employed instructor teaching elementary, middle, and high school students how to program in Python, HTML, CSS and JavaScript (weekly, from home)
- Making programming education/instruction fun and engaging

### COSMOS Program Attendee | UC Davis *07/2022 - 08/2022*
- Honed robotics skills and analyzed complex and low-level computer systems - ASMx86
- One month exclusive on-campus experience (3% rising sophomore acceptance rate)

### Programming Instructor Intern | TheCoderSchool 05*/2022 - 07/2022*
- Taught children ages 5- 13 variety of programming skills/languages - Python, Java, HTML, CSS, JavaScript, C#
- Collaborated with teaching staff to implement coordinated educational strategies

### Volunteer Instructor | EngageSTEM *01/2022 - 03/2022*
- Taught Java programming language to underserved middle school students
- Tracked student progress, frequently checked in with struggling students