

ABDIEL PICADO

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CAREER SUMMARY.

Software developer serving as a program lead who teaches and advocates for technology across schools. I use my skills to build tools that make real classrooms more engaging and spark curiosity. Most projects use JavaScript, Python, and C++ to create robotics demos, web applications, and logic activities for students. I am assigned to classes of up to 30 students and, as a lead, I coordinate teams of five to ten people using Agile boards in Trello to plan and deliver projects. I also maintain and improve student data by cleaning raw backend records in Excel and Python, reconciling rosters, validating parent contacts, and ensuring every student is placed in the correct class with accurate lunch and field trip status.

AREAS OF EXPERTISE

IoT Integration | Data Visualization | Excel Modeling | Python Coding | SQL Programming | Statistical Analysis

PROFESSIONAL EXPERIENCE

CAM EDU

Milbrae, CA

Program manager

Feb. 2024 – Aug. 2025

- Streamlined program operations by organizing sensitive student data (parent contacts, birthdates, schedules, and payments) and building tracking systems that improved accuracy, accessibility, and day-to-day workflow efficiency.
- Coordinated 4 simultaneous projects by prioritizing tasks using data-driven decision making and resource allocation, strengthening team alignment, and improving overall program accountability and output
- Built and optimized sign-in tools, planning calendars, and data dashboards using Google Sheets, Figma, Trello, and Google Drive; collaborated with cross-functional teams to analyze large data sets, uncover trends, and translate insights into product and program enhancements.

FOOTHILL COLLEGE

Palo Alto, CA

Software Design & Math Tutor

Apr. 2022 – June 2022

- Monitored homework completion and study time metrics to identify learning patterns, adjust teaching methods, and maximize student success.
- Transformed student performance from C to A grades through targeted instruction, practice problems, and personalized learning strategies.
- Utilized Zoom, timesheets, Notion, and Notability to conduct virtual lessons, track student progress, and create digital learning materials.
- Delivered expert instruction in pre-calculus, algebra, and Java coding, creating clear examples that helped students master complex concepts.
- Managed personalized tutoring sessions for 3-4 students monthly, building strong relationships while tracking progress toward academic goals.
- * Collaborated with students on software design projects, explaining complex programming concepts while developing effective teaching methods for different learning styles.

DEV/MISSION

San Francisco, CA

Internet of Things TA

June 2021 – Aug. 2021

- Collaborated with Google engineers who volunteered for the program, creating learning opportunities that connected classroom concepts with industry data practices.
- Solved coding challenges through effective troubleshooting methods, teaching students to identify errors and implement solutions for functional data collection devices.
- Worked with diverse IoT components including potentiometers, Arduinos, buttons, LED lights, ultrasonic sensors, and servos to create real-world data collection systems.
- Guided nearly 20 students per class through hands-on IoT projects, providing personalized coding support and troubleshooting to enhance their data analysis abilities.
- Utilized C++ programming language and Arduino library to teach students how to build smart devices, improving their coding skills for future technology careers.
- Collaborated with engineering teams analyzing sensor data from connected devices, identifying patterns for product improvements.

EDUCATION & TRAINING

YEAR UP UNITED

Completed coursework in Studying Software Development with a focus on programming, databases, and data analysis, including topics such as Python, SQL, and data visualization.

FOOTHILL COLLEGE

Palo Alto, CA

- Developed strong expertise in Java programming, covering key areas such as object-oriented design, data structures, algorithms, and intermediate to advanced software development.
- Built multiple projects, demonstrating proficiency in problem-solving, including developing fully functional applications for various platforms.

STANFORD UNIVERSITY

Palo Alto, CA

- Acquired comprehensive knowledge of web development essentials, including HTML, CSS, and JavaScript, with a focus on coding standards and best practices.
- Constructing fully functional websites with interactive features that provide seamless user experiences, as part of hands-on programming projects.

TECHNICAL SKILLS

Proficient in Excel, Google Analytics, Dropbox, Python, Zoom, Trello, Slack, Notion, java and C++.

ADDITIONAL EXPERIENCE

DEV/MISSON

Palo Alto, CA

Pre-Apprenticeship Trainee

Feb. 2021 - May 2022

- Worked with Arduinos for hands-on tech projects while developing web skills, soft skills, resume building, communication, and organization abilities needed for data analysis roles.
- Collaborated with technical teams on data collection methods, learning to identify patterns for business insights while maintaining accuracy throughout the analysis process.
- Participated in database management training, gaining skills to organize information effectively while ensuring quality control during input procedures.
- Worked with experienced analysts examining large datasets, developing abilities to extract meaningful conclusions from complex information sources.
- Performed basic statistical analysis under supervision, learning techniques to interpret findings while improving knowledge about industry-specific metrics.
- Contributed to report generation projects, crafting visual representations of findings while practicing effective communication of technical concepts to stakeholders.

