AIDEN GONZALEZ

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ABOUT ME

Technical Skills – JavaScript, Python, Node.js, SQL, C, Java, MATLAB, and C#
Activities – Purdue IEEE (Software Saturdays and Code Café), Marching Band (Trombone Rank Leader and top freshman marcher), Half Marathon (Top 10% Finisher), Volunteer Concert Photographer
Interests – Computer hardware, Android development, Photography, Music

EDUCATION

BS   **Purdue University** | Computer Engineering | West Lafayette IN   May 2022
Engineering Honors Program | GPA: 4.0
Dean's List and Semester Honors – Fall 2018 through Fall 2019

HS   **Grapevine High School** | High School Diploma | Grapevine TX   June 2018
GPA: 4.0 | National Merit Scholar | National AP Scholar

WORK EXPERIENCE

Software Development Intern **- Precocity, LLC,** Dallas TX   2019
- Spearheaded several internal projects for Dallas-based software consulting firm
- Reduced payroll accounting labor by 97% by developing a multi-faceted system using SQL, Python, and JavaScript that automates internal payroll allocation
- Leveraged GitLab to build CI/CD pipeline to automate the build, analysis, and test/production deployment of a Kotlin API running on Google Cloud App Engine, eliminating costly startup tasks for new API development
- Conducted on location user experience research for a top-10 private U.S. company
- Used Node.js and App Engine skills to create an application that allows employees to edit, monitor, and submit their timesheets directly through Slack, increasing opportunities for utilization optimization and advanced project management

Python Course Grader **- Purdue University,** West Lafayette IN   2019
- Paid homework grader for entry-level Python course
- Help students grow as programmers by providing detailed feedback on submissions
- Monitor grading website and regularly backup grading data

Baritone Player **- Crossmen Drum and Bugle Corps,** San Antonio TX   2018
- Won a contracted position in world class corps through a highly competitive audition process
- Trained, rehearsed, and toured over 3 months to earn a spot in DCI World Championship Finals
- Constantly accountable for performance quality, preparedness, and professionalism

Grocery Sacker **- United Supermarkets,** Colleyville TX   2016-2017
- Served as the primary point of interaction with customers
- Ensured customer loyalty through interpersonal skills and friendly service without gratuity

NOTABLE PROJECTS (FULL DETAILS IN PORTFOLIUM LINK IN HEADER)

Purdue Electric Vehicle Club   2018-Present
- Interpret wiring diagrams and utilize wiring skills to maintain AC electric kart
- Collaborate with club members to prepare kart for yearly regional competitions

Research/Projects   2017, 2018
- *Virtual Reality Learning***:** Constructed virtual-reality learning experience and analyzed data from experimentation to draw conclusions about the viability of VR as an educational tool
- *Fusion Energy:* Researched nuclear fusion as an energy source, collaborating with team members and U of Michigan faculty members, ultimately presenting findings to expert judges
- **Autonomous MARS Rover Prototype:** Designed, programmed on Raspberry Pi in Python, and tested with team members, then generated extensive final report and presented to industry leaders