Andrew Rodriguez

(209) 620-0798 | andrewrod003@gmail.com
andrewthedev.com | linkedin.com/in/andrew-m-rodriguez

EDUCATION

California State University, Stanislaus — **Turlock, CA**
Bachelor of Science in Computer Science — *Expected Graduation: May 2022*
Cumulative GPA: 3.92/4.0

EXPERIENCE

Supplemental Instruction Leader — **Turlock, CA**
California State University, Stanislaus — *January 2020 – May 2020*

- Spearheaded an initiative to program a full-stack exam review application in C# and PHP to allow Supplemental Instructors to utilize for their sessions, effectively facilitating workflow and productivity
- Attended lecture, planned and led study sessions for over 60+ students, increasing their retention rate in their STEM classes
- Conducted sessions and guided students online via Zoom to deliver supplemental material in a safe manner

PROJECTS

Full-Stack Exam Review Application — ***Technologies:*** *C#, PHP, Unity, GCP MySQL*

- Architected and built a full-stack application that allowed instructors to gamify exam reviews, which enhanced sessions by logging user data and simulating personalized boards for study
- Migrated application to Google Cloud Platform for availability and registered a user-friendly domain name
- Implemented HTTP-based user authentication with hashed passwords for web security

Unity Patrick's Yum Run Game — ***Technologies:*** *C#, PHP, GCP MySQL, Unity, Blender*

- Created and incorporated Blender 3D models, UV maps, and animations within Unity
- Fabricated a variety of level scenarios with enemy, item, and victory interactions

Algorithm Visualizer — ***Technologies:*** *Python, Django, GCP MySQL, HTML, Bootstrap*

- Developed and deployed a web application showcasing visuals for common search and sorting algorithms
- Designed a user-friendly interface, which visualized algorithmic behavior, showcased different implementations, and elucidated time complexities

Arduino Autonomous Vehicle — ***Technologies:*** *C++, Arduino*

- Awarded 1st place in Best Hardware Project at the CS4ME hackathon, out of 33 hackathon attendees
- Wrote C++ functions to parse sensor data and coded the vehicle to navigate terrain and avoid obstacles
- Wired components together with a microcontroller and leveraged a 2D array to model the environment

TECHNICAL SKILLS

- **Languages:** Python, C#, HTML, CSS, PHP, SQL
- **Technologies:** Google Cloud Platform, Git, Linux, Django, Bootstrap, Unity, Blender
- **Relevant Coursework:** Data Structures & Algorithms, Computing Talent Initiative: Interview Problem Solving, Computer Organization, Assembly Language & Computer Architecture

LEADERSHIP AND AWARDS

- **Google's Hispanic Student Leadership Summit, *2019*:** Chosen as 1 out of 50 participants from over 850 applicants to attend a Leadership Summit comprised of tech activities and talks from Latinx Googlers
- **NSF S-STEM Scholarship Recipient, *2018-2020*:** Received an annual $7,500 merit-based scholarship from the National Science Foundation for Computer Science
- **Dean's List, *2018-2020*:** Received an honor for keeping a competitive semester GPA of over 3.5