Emily Gavrilenko

egavrile@calpoly.edu ● www.linkedin.com/in/emily-gavrilenko ● EmilyGavrilenko.com ● (925) 698-6448

Education

California Polytechnic State University, San Luis Obispo   **3.98 GPA**
Bachelor of Science, **Computer Science**   Expected June 2022
Relevant Coursework: Software Engineering, Design & Analysis of Algorithms, Object Oriented Programming, Systems Programming, Data Structures, Computer Architecture
Languages and Frameworks: Java, Python, C, Javascript, MySQL, React, Firebase
AWS Services: EC2, DynamoDB, S3, RDS, Step Function, CloudFormation, CloudWatch, Lambda

Work Experience

Amazon Web Services - RoboMaker SDE Intern   June 2020 - September 2020
- Generalized an extract, transform, load (ETL) package to enable onboarding of any DynamoDB table into S3
- Configured and deployed a Tableau Server to visualize AWS RoboMaker customer data
- Integrated Tableau with AWS Athena to query, graph, and display data dashboards on an internal website

Therma - Project Engineering Intern   July 2019 - September 2019
- Designated heating zones, performed heat load calculations, developed VAV and AC unit schedules, mapped out the ductwork for a 40,000 foot Google office building, and completed 2 construction sheets.

Engineering Experience

Personal Project: BucketList.tools   June 2020
- Designed and developed a bucket list website with **React** and **NodeJS** hosted on Google **Firebase**
- Deployed the backend on an **AWS EC2** instance and utilized **AWS RDS Aurora** as the **MySQL** database

CalHacks: UNSearch Website   October 2019
- Seamlessly incorporated data extracted from the United Nations' resolutions webpage using Google's natural language processor in an interactive website created with **HTML**, **CSS**, and **JavaScript**
- Authenticated users with Google sign-in and stored user information on Cloud Firestore

AthenaHacks: Travel App   April 2019
- Competed during a 24-hour hackathon, learned Android Studio, developed a user friendly interface, and created a travel app using **Java** for storing individual trip's destinations, participants, and favorite memories

Leadership Experience and Extracurricular Involvement

Society of Women Engineers: Outreach Committee   September 2018 - Present
- Coordinated a VEX Robotics Competition and led elementary through high school STEM exploration

Cal Poly Astronomical Society: President   November 2018 - Present
- Organize and lead bioweekly club meetings for space enthusiasts

Women in Software and Hardware (WISH)   September 2019 - Present
Competitive Ballroom Dance Team: Event Coordinator   September 2019 - Present

Awards

AWS DeepRacer Reinforced Learning Competition - Finalist   July 2020
- Trained a fully autonomous race car driven by reinforcement learning for an Amazon intern competition

Girl Scout Gold Award   September 2017