

Loren DiLoreto

28086 N Lake Wohlford Rd
Valley Center, CA 92082
lorenddiloreto@gmail.com
(760) 445-6410

EDUCATION

Worcester Polytechnic Institute (Cumulative GPA: 3.4)

August 2019 - May 2023

Bachelor of Science in Computer Science

Worcester, MA

- Relevant Coursework: **Software Engineering, Algorithms, Operating Systems**
- Relevant Activities: **Varsity Football Team, Cybersecurity Club, Hack@WPI 2019 Hackathon**

Valley Center High School (Cumulative Weighted GPA: 4.0)

August 2015 - June 2019

High School Diploma

Valley Center, CA

WORK EXPERIENCE

Left Coast Engineering

June 2020 - August 2020

Software Engineering Intern

Escondido, CA

- Updated firmware of wireless devices **using C++** to distinguish faulty units from functional ones
- Added functionality to manufacturer testing that identifies faulty devices before shipping to the customer **using C#**
- Developed test scenarios and designed new features to optimize performance

SKILLS

Languages: Java, C, C++, Python, Javascript, HTML, CSS, WebGL, JavaFX, R

Technologies: Amazon AWS, IntelliJ IDE, Eclipse IDE, Git, Gradle, Microsoft Office

Certifications: AWS Certified Cloud Practitioner

PROJECTS

CS3733 Software Engineering in collaboration with Brigham & Women's Hospital

This course had ten-person student teams working in a class competition to apply **Agile development methodologies** and software design patterns in **Java** to create an indoor pathfinding application, map builder, COVID-screening survey, and integrated service request modules for Brigham & Women's Hospital. The software systems that student teams created were to inform the hospital representatives about potential features, user interfaces, or design approaches that they might consider implementing.

- As a **software engineer**, I developed map editing software for hospital staff, as well as a help bot for first time users.
- As a **product owner**, I maintained the **product backlog** and **sprint backlog**. I also coordinated the team's sizing and prioritizing of **user stories**.

Multivariate Graph Processor

- Parsed multivariate social media accounts from a **JSON** file and created multivariate graphs
- Developed algorithms to process the graphs such as **shortest path** and **finding neighbors**
- Performed a statistical analysis to generate analytics for the social media accounts