

Elmer Alan Villalobos

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Computer Science Engineer with an interest in
Human Computer Interaction

Work Experience:

Customer Experience - Technical Intern 2022

General Motors REMOTE

- Worked in a SAFe environment within two different teams, spanning both Product Management and Mobile Development
- Learned about OKRs and how to practice them in both large and small scale teams to set better goals and improve output
- Used Azure DevOps to track features, stories, and deploy code releases
- Maintained Java code in a Shared Ecosystem of microservices for Home-to-Car services
- Updated Spring Boot from a deprecated version to retain security and tech compliance for our Shared Ecosystem
- Learned pipeline-release deployment methods
- Learned end-to-end Amazon Alexa request and response processing flow
- Used Gherkin Cucumber FIT tests to debug Amazon Alexa requests and responses
- Used Pivotal Cloud Foundry to deploy and test Java code

Design/Engineer Intern 2017 - 2019

Polyfab Display Company Woodbridge, VA

- Created 3D CAD models for production and prototyping of display products using Autodesk Inventor
- Operated CNC router for cutting plastics, acrylics, wood, etc...
- Worked in a team environment while developing ideas and solutions to customer issues
- Responsible for communicating with clients directly to find needs and priorities

Leadership:

Programmer/Builder 2016 - 2019

WSHS Robotics Team C/U Woodbridge, VA

- Worked in a team to construct and program a robot to perform specific tasks and compete in a formal VEX Robotics tournament
- Designed driver interface, controls, robot movement, and function in RobotC
- Programmed pre-round fully autonomous running of robot

Event Coordinator 2021 – Present

SalsaTech Executive Board Blacksburg, VA

- Organizes and plans club-related events like performances and competitions
- Creates themed fund-raisers
- Teaches free public Salsa/Bachata classes

Education:

Virginia Polytechnic and State University Blacksburg, VA

Bachelor of Science 2023

- Major: Computer Science
- GPA: 3.26

Extracurricular:

- Society of Professional Hispanic Engineers
- Latin Link
- SalsaTech

Skills:

Programming

Languages:

- Java
- Python
- C/C++
- Visual Basic
- HTML

CAD:

- Autodesk Inventor
- AutoCAD
- SolidWorks

Languages:

- English
- Spanish

MISC:

- Trained in the use of a CNC router

Professional:

- Team Player
- Resourceful
- Problem Solver

Hobbies:

- Dancing
- Hiking
- CAD/3D Printing
- Geology

