

Edgar Villaseñor

SOFTWARE ENGINEERING · WEB DEVELOPMENT

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Education

Washington State University

Pullman, WA

B.S. IN COMPUTER SCIENCE, GPA: 3.3/4.0, JUNIOR CLASS STANDING

Aug. 2016 - Dec. 2020 (Exp.)

- Current Coursework: Systems Programming (C), Algorithm Design, Programming Language Design, Software Testing
- Past Coursework: Software Engineering, Program Design and Development (C), Data Structures (C++), Computer Architecture, Formal Languages and Automata, Object Oriented Design

Experience

Co-Founder and Lead Web Developer

Anchorage, AK

FOSTER FRIENDS LLC

June 2019 - PRESENT

- Co-founded a non profit which aims to connect foster care organizations with families and individuals looking to foster animals. Developed a marketing campaign to raise awareness for shelter animals in Alaska and the Greater Palouse Area.
- Developing a Full Stack MongoDB, Express, React, Node (MERN) web application
- Gained software engineering experience through collection of requirements, development of project schedules and source code management

Undergraduate Teaching Assistant

Pullman, WA

WSU SCHOOL OF ENGINEERING AND ARCHITECTURE

Aug. 2018 - May 2019

- Facilitated a weekly three-hour lab consisting of programming exercises and reviewed course material.
- Graded assignments and held office hours for students weekly.

Projects

Event Tracing and Pravega Auditing

Pullman, WA

SENIOR CAPSTONE PROJECT

Aug. 2019 - May 2020 (Exp.)

- Participating in a two-semester long software engineering project under the supervision of Dell EMC. Contributions will be made open source upon completion of the course.
- Developing a tool to process and detect faults in the system and a web application to visualize the flow of sampled events
- Gained professional experience through the collection of client requirements, documentation, software testing and source code management amongst a team of developers. Employed modern software engineering practices such as continuous integration and development.

EXT2 File System

Pullman, WA

SHELL PROGRAMMING

- Developed in C, created a proprietary extended file system. Made use of Linux system calls to implement and execute shell commands. Implemented C code to read and write to files in the system. Supported mount and unmount of file systems and implemented file protection.
- Implemented data pipelines, process management and networking

Coin Watch

Pullman, WA

WEB APPLICATION

- Cryptocurrency price screener. Data is collected from Coinranking's API and displayed in a visually pleasing manner.
- Implementation of React.js lifecycle hooks, API calls. Used react router and redux for state management.

Skills

Languages, C++, JavaScript, Python, Java, C, Haskell, C#

Libraries & Frameworks, React.js, Node.js, .NET, NUnit, JUnit

Tools, Git, Travis CI, GitLab CI/CD, Node Package Manager,