

Joseph Gerard Vigil

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Education

Master of Science in Engineering with Emphasis in Mechatronics

Colorado State University - Pueblo

August 2017 – May 2019

Pueblo, Colorado

Bachelor of Science in Mechatronics Engineering, Minor in Mathematics

Colorado State University - Pueblo

August 2011 – May 2016

Pueblo, Colorado

Experience

Coding Temple

Full Stack Software Developer

June 2025 – Present

Remote

- **Frontend:** HTML5, CSS3, JavaScript, React, TypeScript, Bootstrap, MUI, Tailwind, Vercel, GitHub
- **Backend:** Python, Flask, SQL, API Development, Render

Squeak inc.

Board Game Design

August 2023 – Present

Remote

- Designed, prototyped, and coordinated the production of an original board game, managing artwork, manufacturing, and logistics

Infosys & Nike

L1 WMS Support Engineer

December 2021 – April 2023

Ontario, California

- Provided technical support, created SQL scripts, and resolved operational issues within Nike's Warehouse Management Systems (WMS)

Revature

Full Stack Software Developer

October – December 2021

Remote

- Developed full-stack applications using Java, Angular, and Spring Boot with PostgreSQL and AWS deployment

Medtronics

Engineering Internship

June – August 2021

Boulder, Colorado

- Assisted in prototyping, system testing, and SolidWorks modeling for medical device production

Wonderland

English Teacher

August 2020 – March 2021

Daegu, South Korea

- Delivered daily English lessons, developed interactive lesson plans, supported student language development

CSU-Pueblo

Research Assistant

September 2018 – July 2019

Pueblo, Colorado

- Performed material property testing on hemp/plastic composites and documented results for publications

ActivArmor

Research Assistant

May – August 2018

Pueblo, Colorado

- Conducted Finite Element Analysis (FEA) on 3D-printed medical cast designs to evaluate structural performance

Projects

charmed.lol

React, Flask, PostgreSQL, Riot Games API, JavaScript, Python, Bootstrap

November 2025

- Built a full-stack dating platform for League of Legends players with profile creation, matchmaking, and chat features. Integrated Riot API authentication and deployed live using GitHub Pages and Render.

squeakinggames.com

Bootstrap, HTML, CSS, JavaScript

August 2023

- Digital home for squeak inc. Games, showcasing our collection of board games, and company philosophy

Technical Skills

🔗 **Front End:** HTML5, CSS3, JavaScript, React, Node, TypeScript, Bootstrap, MUI, Tailwind

📦 **Back End:** Python, Flask, SQL, API Development, PostgreSQL, SQLite, Postman

🔧 **2021 Teck Stack:** Java, Angular, Spring Boot, PostgreSQL, AWS (EC2, RDS, S3), Jenkins

⚙️ **Mechatronics:** PLC Ladder Logic, Arduino, AutoCAD, SolidWorks, MATLAB, LabVIEW, HDL, R

Achievements

GRE (Graduate Record Examination)

154 verbal (65th percentile), 161 quantitative (78th percentile), 3 analytical writing

July 2017

EIT (Engineer in Training) Exam

FE Electrical & Computer (PASS)

September 2016

Mesa Windmill Energy Challenge | National Champions

May 2011

- Led a team to design a windmill, winning the state championship twice and placing 1st nationally