

# Joseph Gerard Vigil

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## Education

### Master of Science in Engineering with Emphasis in Mechatronics

Colorado State University - Pueblo

August 2011 – May 2016

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