

# Joseph Gerard Vigil

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## Education

<b>Master of Science in Engineering with Emphasis in Mechatronics</b> Colorado State University - Pueblo	<b>August 2017 – May 2019</b> Pueblo, Colorado
<b>Bachelor of Science in Mechatronics Engineering, Minor in Mathematics</b> Colorado State University – Pueblo	<b>August 2011 – May 2016</b> Pueblo, Colorado

## Experience

<b>Coding Temple</b> <i>Full Stack Software Developer</i>	<b>June 2025 – Present</b> Remote
• <b>Frontend:</b> HTML5, CSS3, JavaScript, React, TypeScript, Bootstrap, MUI, Tailwind, Vercel, GitHub	
• <b>Backend:</b> Python, Flask, SQL, API Development, Render	
<b>Squeak inc.</b> <i>Board Game Design</i>	<b>August 2023 – Present</b> Remote
• Designed, prototyped, and coordinated the production of an original board game, managing artwork, manufacturing, and logistics	
<b>Infosys &amp; Nike</b> <i>L1 WMS Support Engineer</i>	<b>December 2021 – April 2023</b> Ontario, California
• Provided technical support, created SQL scripts, and resolved operational issues within Nike's Warehouse Management Systems (WMS)	
<b>Revature</b> <i>Full Stack Software Developer</i>	<b>October – December 2021</b> Remote
• Developed full-stack applications using Java, Angular, and Spring Boot with PostgreSQL and AWS deployment	
<b>Medtronics</b> <i>Engineering Internship</i>	<b>June – August 2021</b> Boulder, Colorado
• Assisted in prototyping, system testing, and SolidWorks modeling for medical device production	
<b>Wonderland</b> <i>English Teacher</i>	<b>August 2020 – March 2021</b> Daegu, South Korea
• Delivered daily English lessons, developed interactive lesson plans, supported student language development	
<b>CSU-Pueblo</b> <i>Research Assistant</i>	<b>September 2018 – July 2019</b> Pueblo, Colorado
• Performed material property testing on hemp/plastic composites and documented results for publications	
<b>ActivArmor</b> <i>Research Assistant</i>	<b>May – August 2018</b> Pueblo, Colorado
• Conducted Finite Element Analysis (FEA) on 3D-printed medical cast designs to evaluate structural performance	

## Projects

<b>charmed.lol</b> <i>React, Flask, PostgreSQL, Riot Games API, JavaScript, Python, Bootstrap</i>	<b>November 2025</b>
• 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.	
<b>squeakincgames.com</b> <i>Bootstrap, HTML, CSS, JavaScript</i>	<b>August 2023</b>
• 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 Tech Stack:** Java, Angular, Spring Boot, PostgreSQL, AWS (EC2, RDS, S3), Jenkins
- ⚙️ **Mechatronics:** PLC Ladder Logic, Arduino, AutoCAD, SolidWorks, MATLAB, LabVIEW, HDL, R

## Achievements

<b>GRE (Graduate Record Examination)</b> <i>154 verbal (65th percentile), 161 quantitative (78th percentile), 3 analytical writing</i>	<b>July 2017</b>
<b>EIT (Engineer in Training) Exam</b> <i>FE Electrical &amp; Computer (PASS)</i>	<b>September 2016</b>
<b>Mesa Windmill Energy Challenge</b>   National Champions • Led a team to design a windmill, winning the state championship twice and placing 1st nationally	<b>May 2011</b>