Gerardo Solis — Computer Science & Computer Information Systems

Phone: (626) 388-7050 | *Email*: gsolis5114@gmail.com | *LinkedIn*: linkedin.com/in/gerardosolisit/

Education

California State Polytechnic University-Pomona   *Jun. 2021 – Present*

- Bachelor of Science - BS, Computer Science
- Minor - Computer Information Systems

Mt. San Antonio College   *Aug. 2014 – Aug. 2021*

- Associate degree, Mathematics

Tech Stack

- **Programming Languages**: C/C++, Python, Assembly, SQL, Java, React, CSS, HTML, JavaScript.
- **Technologies & Tools**: OOP, data structures, Node.js, Express, matplotlib, SQLALchemy, PyQt, AWS, iOS, Linux Distros (Kali, Debian, Ubuntu), Windows Server/Desktop, AD, GP, CLI, WinAPI, MySQL, Ghostwriter, BloodHound, CobaltStrike C2, Sliver C2, BOF, COFF, ELK SIEM Solution.

Experience

JT4 - Department of Defense, Las Vegas · Software Engineer Intern   *June 2024 – August 2024*

- Engineered a cross-platform desktop data visualization tool using SQLAlchemy, PyQt, and Matplotlib, enabling compatibility with multiple databases and improving data analysis.
- Adhered to OOP and ACID principles; maintained thorough documentation for scalability.
- Implemented search functionality and enabled instant visualizations from database queries, streamlining data selection and significantly enhancing user experience.

City of Glendale, CA · IT Support Specialist   *Feb. 2022 – Present*

- Managed users/computers via Active Directory on MS Server 2016 and Google Enterprise admin console.
- Collaborated on resolving a "domain trust issue" affecting the public library's domain.
- Resolved email delivery issues in a PHP-based system by configuring TLS-encrypted SMTP settings.

Achievements & Projects

- **Global Collegiate Penetration Testing Competition, 2024**: Selected for the team based on exceptional penetration testing skills and high-quality reporting during simulated assessments. Prepared through extensive practice on platforms like HackTheBox, VulnLabs, PortSwigger, SnapLabs, and custom environments.
- **AI IDS Alert Parser (in progress)**: Developing an AI assistant to transform Intrusion Detection System (IDS) alert logs into a user-friendly, human-readable format, utilizing QLoRA, Hugging Face model (Llama3B), Kaggle datasets, and custom data set to enhance incident response times.
- **Full Stack Personal Blog *https://gsoulis.blog* (in progress)**: AWS EC2 instance, utilizing React for the frontend and PostgreSQL with Nginx for the backend. Implemented AWS CloudWatch for automated server startup and shutdown and enforced secure user groupings and password policies, Postgres database for data storage.
- **ITC Team Captain, 2024**: Led team to first place in a simulated penetration test designed by industry professionals; ensured service continuity and presented findings to C-suite executives.
- **NCAE Team Captain, Regional Champion, 2024**: Led 12-member team in service hardening, DNS, and web security. Placed second in the National competition.
- **CyberForce Team Captain, 2023**: Led system hardening and threat detection; 1st in blue-teaming, 16th overall out of 106 teams.
- **NCAE Regional Champion MVP, 2023**: Defended against complex red-team attacks; advanced to Nationals.
- **Malware Workshop**: Developed a malware analysis workshop for students and gave presentation on an adversarial technique known as DLL Injection.
- **BroncoHacks Full-Stack Dev**: Assisted team with static frontend and backend for hackathon website.

Certifications

CompTIA A+, Google IT, CompTIA Security+ (**in progress**), CRTO (**in progress**), CRTP (**in progress**)