Matias Altman

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EDUCATION

University of California, San Diego **La Jolla, CA**
Bachelor of Science in Electrical Engineering *2014*
Depth: Software Systems

EXPERIENCE

General Electric **Richmond, VA**
Senior Software Engineer *Aug 2017 - Present*

- Magnum API Team: Building out detection/intelligence tools for more effective detection using Python, Reactjs, and AWS Cloudformation.
- Architected and built MITRE ATT&CK Framework Intelligence tool which drove improved our intelligence pipeline by >500% in six months.
- Developed Terrabyte scale SIEM driven by data mesh architecture.

General Electric **San Ramon, CA**
Digital Technology Leadership Program *Feb 2015 - Aug 2017*

- Inherited a proof of concept compliance application and productionalized it into ISO-27001 company wide tool.
- Software engineer on most widely used Predix service UAA and ACS. Service for authentication and authorization.
- Built out testing, middleware framework for Wurldtech network modeling and signature based threat detection.
- Developed OT and IT technology for security oriented fulfillment operation of Wurldtech Next Generation Firewall product line.

Picodigital **San Diego, CA**
Software Intern *Jan 2014–Oct 2014*
Leader in developing end to end broadcast systems.

- As solo engineer brought watermarking project that was 3 years behind schedule back on track.
- Developed daemon for detection of watermarks in radio broadcasts using proprietary bleeding edge API.
- Migrated watermarking project's root filesystem from buildroot to yocto.

Qualcomm Inc **San Diego, CA**
Software Intern, CoreBSP *Jan 2013–Apr 2013*
Researched into dynamically loading configuration data during image compilation with poorly documented proprietary tools.

- Developed processes and tools to load and verify Position Independent Shared Object Files for target chipset
- Integrated Shared Object loading in current image compilation
- Effectively documented all information for handoff after internship

TECHNICAL SKILLS

Software Development Tools: Agile Development, Waterfall, GIT, Shell, Make, Windows, Unix/Linux, Object Oriented Analysis and Design

Backend Programming: C, C++, Java, Bash, Python

Frontend Programming: Vanilla Javascript, Reactjs

Cloud: Terraform, Cloudformation, BOTO3, Docker