

Nicholas J. Ericksen

Citizenship: United States of America, Norway

EDUCATION

Manhattan College, Riverdale, NY

Bachelor of Science in Electrical Engineering (*GPA 3.79*)

Aug 2011-May 2015

Minor: Math, Business, and Religious Studies

Master of Science in Electrical Engineering (*GPA 3.93*)

Aug 2015-Dec 2017

Institute of Electrical and Electronics Engineers, Member

Fall 2013-Dec 2017

EMPLOYMENT EXPERIENCE

Palo Alto Networks, Remote, New York

Senior Solutions Architect

Oct 2019-Present

- Design and implement custom security automation playbooks including Phishing Response, SIEM incident handling, Malware Response, Threat Intelligence Management, Network Operations, etc.
- Develop automations in Python, Javascript and Powershell leveraging APIs for integration with a variety of technologies
- Build and design CI/CD pipelines for security automation content management systems
- Contribute automation content packs to a widely adopted open source Git repository and marketplace
- Consult with organizations on next generation SIEM solutions and partner with them on proof of concepts
- Support pre-sales engineering efforts for strategic and global customers

RSA Security, New York, New York

Systems Engineer

April 2018-Oct 2019

- Consult with organizations on SIEM, IAM, and automation technologies
- Create and deliver new hire boot camps for system engineers
- Build virtualized environments for security testing and proof of concepts

Manhattan College, Riverdale, New York

Researcher and Teaching Assistant

Sep 2017-May 2019

- Conduct research into polarization based imaging techniques leveraging the Stokes parameters and Mueller matrices of various samples.
- Design and build an optical laboratory for experimentation
- Determine the texture of acquired sample images using Grey Level Co-occurrence Matrices (GLCM)
- Measure the relative water content (RWC) of plants using both manual and computer based imaging techniques
- Program various tools in Python for data acquisition, analysis, and visualization
- Perform machine learning and statistical analysis (K-Means, SVM, linear regression) on acquired data

Ask Media Group, Yonkers, New York

Software Engineer

June 2015-Sep 2017

- Design and build AWS backend applications
- Build web applications in ReactJS for integration into browser extensions to enhance the search experience
- Lead developer for the corporate website written in Wordpress
- Conduct product optimizations leveraging A/B tests across web applications
- Troubleshoot production application errors working closely with the devops team
- Develop unit tests in Jest for new and existing code

Laerdal Medical AS, Stavanger, Norway

Logistics Coordinator

May 2012 - Jan 2015

- Place, monitor and update purchase orders to various suppliers
- Update and ship sales orders to resolve issues for the customer service team
- Maintain and monitor stock levels for European warehouses
- Coordinate invoices, item details and material safety sheets for shipping agents

ACHIEVEMENTS/ACTIVITIES

Westchester Wunderkinds Award 2017, 914 Inc.

Manhattan College Medal for Electrical Engineering

Magna cum Laude, Bachelors in Electrical Engineering

NYC Compost Project - Master Composter

Spring 2014 - Fall 2019

Educate the public about urban composting and assist in community compost site maintenance.

RESEARCH

Masters Thesis: *"Polarization Enhanced Texture Analysis With Applications to Precision Agriculture"*. A study into the polarization and texture properties of materials for the purpose of classification and determination of physiological properties, such as the relative water content (RWC) of plants. Data acquisition was handled with an Arduino. Data analysis was performed in Python.

SKILLS

Python, Linux (RHEL, Centos, Ubuntu, Debian), HTML, CSS, JavaScript, CI/CD, ReactJs, Redux, NodeJS, MongoDB, Nginx, LaTeX, Amazon Web Services (AWS), Microsoft Azure, DigitalOcean, Docker, Git, Flask, Web3, Terraform, Ansible, CloudFormation