Nicholas J. Ericksen

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EDUCATION

Manhattan College, Riverdale, NY
Bachelor of Science in Electrical Engineering, May 2015
Minor: Business, Math, and Religious Studies
Masters of Science in Electrical Engineering — Fall 2015-201x
School of Engineering Dean's List — Fall 2012-2015
Eta Kappa Nu National Electrical Engineering Honors Society, Member — Fall 2013-201x
Institute of Electrical and Electronics Engineers, Member — Fall 2013-201x
Tau Beta Pi National Engineering Honors Society — Fall 2013-201x
Epsilon Sigma Pi Honors Society — Fall 2014-201x

EMPLOYMENT EXPERIENCE

IAC Applications, Yonkers, New York
Software Engineer — Feb 2016-present
- Work on product optimizations across all products
- Support internal projects, such as the corporate website
- Improve workflow and requirements for Marketing requests

Associate Developer — Aug 2015 - Feb 2016
- Main developer for a new corporate website
- Fix issues and maintain existing SEO sites
- Document updating procedures and architecture

New Products Intern — Jun 2015 - Aug 2015
- Develop a new product for the company portfolio
- Learn and utilize React.Js
- Interact in an Agile environment

Laerdal Medical AS, Stavanger, Norway — May 2012 - Jan 2015
Logistics Coordinator
- Place, monitor and update purchase orders for various suppliers
- Update and ship sales orders
- Maintain stock levels for European warehouses
- Resolve general issues for customer service
- Provide invoices, item details and material safety sheets for shipping agents

ACHIEVEMENTS/ACTIVITIES

The Medal for Electrical Engineering, *Runner-up*
Magna cum Laude, Bachelors in Electrical Engineering

NYC Compost Project — Spring 2014 - present
Master Composter
- Aid in community compost site maintenance
- Educate about the basics of urban composting

Manhattan College Environmental Sustainability Committee — Fall 2013 - present
Member
- Provide input on activities related to garden management and composting on campus
- Discuss concerns over planned sustainability initiatives

CURRENT RESEARCH

Study into biological target discrimination for disease detection. Discrimination is based on the polarization properties described by a Mueller Matrix and Stokes parameters. Data acquisition is performed with an Arduino while the data analysis is handled in Python. Machine learning techniques are applied via scikit-learn.

SKILLS

- Familiar with HTML, CSS, JavaScript, Python, C/C++, PHP/WordPress, PSPICE, Matlab, Git
- Extensive knowledge of Microsoft Word, PowerPoint, Excel and Outlook