

Justin J. Serowik

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EDUCATION

Stevens Institute of Technology, Hoboken, NJ

August 2013 - May 2018

Bachelor of Engineering in Electrical Engineering, Expected May 2017
GPA: 3.118, Honors: Edwin A. Stevens Scholarship, Stevens Grant, Dean's List

Master of Science in Computer Engineering, Expected May 2018

Coursework

Advanced Algorithm Design & Implementation, Discrete Math for Cryptography, Electronic Circuits, Probability and Statistics, Computer Organization & Programming, Calculus 1-2, Differential Equations, Engineering Design 1-7, Microprocessor Systems, Digital & Computer System Architecture, Transport Phenomenon in Solid State Devices, Modern Physics, Digital System Design, Digital Signal Processing

WORK EXPERIENCE

Stevens Institute of Technology, Hoboken, NJ

Senior Design - Neural Network Security

August 2016 - Present

- Training a neural network to detect anomalies in wireless communication and prevent man-in-the-middle attacks
- Developing an application interface for the neural network
- Processing wireless communication signals and extracting useful attributes to input into neural network

Finalsite, Hoboken, NJ

User Support Co-Op

May 2014 - December 2014

- Cooperated with team members to produce web solutions built on the Schoolsuite platform
- Implemented advanced web technologies such as responsive design and jQuery to enhance user experience on the Silverpoint platform
- Developed and updated specialized Android and iOS apps
- Edited full websites using Dreamweaver and integrated new code into existing projects using Git
- Supported client requests through Parature ticketing service

LEADERSHIP EXPERIENCE

Institute of Electronics and Electrical Engineers

President of the Stevens Student Chapter

May 2016 - Present

- Organize weekly general body meetings that included professional and technical workshops that benefit the student body
- Plan large events including exhibitions of student projects, cross university collaborations, and professional networking events
- Inspire student body members to grow and develop their skills in the field of Electrical and Computer Engineering

SKILLS

Programming

Basic, C++, Java, HTML, CSS, JavaScript, jQuery, Python, Verilog

Operating Systems

Windows 7, 8.1, 10; Mac OS X Yosemite;
Linux: Ubuntu, UberStudent, Kali, Arch;

Software

MS Office: Word, Excel, PowerPoint;
Adobe: Photoshop 6, Flash, Dreamweaver;
SolidWorks, Android OS, Git, Parature,
Firebug, BlueJ, Eclipse, Sublime Text

RESEARCH

Text Processing and Neural Networks

- Implementing large-scale extraction of text data from online news sites
- Using Natural Language Processing to extract named entities from text data
- Associating positive, negative, or neutral sentiment with extracted named entities
- Developing a neural network to correlate numerical data and sentiment extracted from text

COMMUNITY SERVICE

Chi Psi Philanthropy Chair

May 2014 - December 2014

- Organized philanthropy events through the Chi Psi Lodge
- Put together a haunted house for children in Hoboken to have a safe place to trick-or-treat

INTERESTS AND ACTIVITIES

Interests: Artificial Intelligence, Quantum Computation, High Performance Computation

Activities: Music, Cinema, Hobby Electronics, Photography, Hiking

LANGUAGES

English: Fluent

Polish : Fluent

I am a citizen of the United States