Shawn F. Martin

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EDUCATION

Florida Atlantic University — Boca Raton, FL
Bachelor of Science in Computer Science (3.7 GPA) — September 2017 - May 2018

Northeastern University — Boston, MA
Master of Science in Computer Science (3.8 GPA) — September 2018 - May 2020
Specialization in Data Science & Artificial Intelligence

TECHNICAL SKILLS

Programming Languages/Frameworks: Java, NodeJS, Python, JavaScript, PowerShell, C++, C, C#
Tools/Libraries: Visual Studio, Git, JIRA, Confluence, BitBucket, Perforce

TECHNICAL EXPERIENCE

Citrix Systems — Fort Lauderdale, FL
XenMobile Cloud Software Engineer Intern — May 2018 – August 2018

- Developed and exposed a "Health Check" system API to an Azure Function within an existing microservice and deployed to Icinga monitoring system
- Developed a Node/React data-drift application from scratch, integrating CI/CD (Jenkins), Dockerization, and integration with existing microservice with Azure KeyVault/CosmosDB as a backend

DataCore Software — Fort Lauderdale, FL
Test Automation Intern — May 2017 – May 2018

- Developed the framework for the automation script, developed features for new tests, as well as developed an automated report generator in PowerShell to display the results neatly and efficiently amongst dozens of configurations.
- Created virtual machines, configured storage, maintained servers, installed and tested computer-related software and equipment, managed and configure back-end, front-end, and host systems according to specific specifications

Squeeze, LLC — Boca Raton, FL
Full Stack Developer Intern — Feb. 2017 – May 2017

- Developed URL Shortener web application and RESTful API using NodeJS, Express, Angular, MongoDB
- Analyzed customer data in R and Python to discover customer spending patterns and report solutions to C-level

Machine Perception & Cognitive Robotics Research Lab at FAU — Boca Raton, FL
Machine Learning Developer — Nov. 2015 - May 2018

- Managed a team of 6 in a research project and developed an open-source platform for autonomous vehicle development designed for aspiring machine learning researchers (http://mpcrlab.com/teams/rover/)
- Conducted a research project using TensorFlow and computer vision to allow remotely-operated rovers to learn and adapt using deep reinforcement learning and "deep Q-networks" by Google DeepMind
- Developed platform to instill a mental state of curiosity and saliency into a rover using neural networks, dictionary learning, feature mapping, LCA, and sparse modeling

RELATED INVOLVEMENT

- President, Machine Perception and Cognitive Robotics Club (FAU) — Dec. 2016- May 2018
- Secretary, Virtual Reality Club (FAU) — Feb. 2017- May 2018

AWARDS AND PUBLICATIONS

- Awarded 1st place for Poster Presentation, Engineering and Computer Science category at the Sixth Annual FAU Undergraduate Research Symposium for "Utilizing OpenCV for Q-Learning State Space Reduction in Re-Purposed Off-The-Shelf FPV Rovers"
- Co-authored "Q-Learning in an Autonomous Rover," published in 2017 FAU Undergraduate Research Journal, v. 6, No.1