JUSTIN MCGETTIGAN

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LinkedIn
GitHub

Curious minded CS graduate seeking a software engineering position with a passion for computer vision and machine learning.

SKILLS

GENERAL: Python, Java, C#, C/C++

LINUX: BASH, Git, NFS, ZSH, REGEX, CONDA, ROS

VIRTUAL: VirtualBox, VMware Player & vSphere ESXi, Docker, QEMU, KVM

WEB: JavaScript, NodeJS, ReactJS, HTML, CSS/SASS

DATA: SQL, Kusto, plot.ly, Grafana, NumPy, OpenCV

CREATE: Unity, Blender, Dynamo, Photoshop, Audition, Illustrator, Krita

EDUCATION

Florida Polytechnic University (Florida Poly)
Computer Science | GPA: 3.81
Fall 2016 - Fall 2019

INTERESTS

VR, AR, MR, Autonomous Vehicles, Computer Vision, Game Design, Cyber Security, Drawing, Painting, Reading, Math, Travel

EXPERIENCE

Software Engineer Intern Motorola Solutions *May 2019 - Aug 2019*

- Worked with the Intel RealSense SDK & D435 RGB-Depth camera.
- Developed an RGB-D Based RTLS.
- Utilized Azure App Analytics & Azure Log Analytics.
- Used Grafana and plot.ly to visualize test data through an Azure API.
- Collaborated with a team to design and program Suspect Search.

IT Administrator Maven Asset Management *Feb 2017 - May 2019*

- Managed windows and linux development VMs.
- Oversaw company website through cPanel and Wordpress.
- Set up and managed LibreNMS, Kaspersky Security Center, and pfSense; aka network monitor, security, firewall, & VPN.
- Supported enterprise software IBM Maximo.
- Assessed and inventoried the entire IT infrastructure.
- Created diagrams and supporting documentation.

Research Assistant Florida Polytechnic University *May 2018 - Dec 2018*

- Read/analyzed over 30 research papers about Deep Neural Networks.
- Contributed to a survey of existing hardware accelerators for DNNs.

PROJECTS

PhoenixHacks Live ► Created the live site for PhoenixHacks 2020.

Suspect Search ► Implemented the speech-to-text (STT) and natural language processing (NLP) components of a system that takes in voice requests in the form of a visual description and outputs images of likely matches from nearby security cameras. For a 48 hour hackathon.

RGB-D Based RTLS ► Developed the foundation of a RTLS for tracking multiple people in a room that required spatial analysis and numerous frames of reference.

Gaze-Based UI Navigation ► Developed a gaze-tracking system geared towards measuring the effectiveness of different gaze-based user interfaces and navigation methods.

Patient Egress Alert System ► Utilized OpenCV and YOLO to detect if a hospital patient is leaving their bed.

Renegade ► Lead a team of two in the creation and testing of software for a level 3 autonomous vehicle using computer vision and sensor fusion technologies: OpenCV, ROS, LiDAR, ZED Stereoscopic Camera, and a Nvidia TX2.