Matthew Massom

Email: m.massom96@gmail.com
Phone: (219) 477-7099
Address: 407 Forest View Drive
Valparaiso, IN 46385
Website: matthewmassom.com
GitHub: github.com/mmassom96

SUMMARY

Highly motivated computer engineering student graduating in December 2019, with knowledge in object-oriented programming, product development, and debugging.

SKILLS

C/C++	Java	Python	Matlab
HTML/CSS	Linux	Git	SQL
Bash	C#	Machine Learning	Visual Studio
Android Studio	Altium	KiCAD	.NET

EDUCATION

Purdue University Northwest　　　　　　　　　　　　　　　　　　　Hammond, Indiana
B.S. Computer Engineering　　　　　　　　　　　　　　　　　Graduating: December 2019
Minor in Computer Science　　　　　　　　　　　　　　　　　　　　Major GPA: 3.0
- Institute of Electrical and Electronic Engineers – PNW Student Branch
- IEEE PNW Electric Vehicle Grand Prix – Team Leader

EXPERIENCE

Sullair, LLC　　　　　　　　　　　　　　　　　　　　　　Michigan City, Indiana
Embedded Controls Engineering Intern　　　　　　　　　January 2019 – August 2019
- Developed integrated circuit board hardware for motor controller testing and development
- Expedited various tasks for firmware commissioning through automation with VBA, Python, and C
- Researched component specifications for state-of-the-art controller board development

Sullair, LLC　　　　　　　　　　　　　　　　　　　　　　Michigan City, Indiana
Electrical Engineering Intern　　　　　　　　　　　　　　　May 2018 – January 2019
- Assessed alternatives to existing components and compiled material lists for future cost reduction.
- Revamped wire harnesses and related components through various methods of troubleshooting.
- Created material lists, schematic drawings, and other technical documents in Siemens Teamcenter and NX

PROJECTS

Predicting Chaotic Systems using Deep Learning and Computer Vision
- Implemented neural networks to predict the outcome of a spin in the game of roulette

Deep Learning Sentiment Analysis
- Examined the use of deep learning in social media sentiment analysis to track patterns such as hate speech

EV Grand Prix Autonomous Car
- Facilitated the planning and groundwork for a competitive autonomous vehicle

AWARDS

Undergraduate Research Grant
- Awarded $600 for "Using Machine Learning to Predict Outcomes in Chaotic Systems"

Indiana Space Grant Consortium
- Awarded $600 for "3D Mapping with LiDAR and Stereoscopic Camera"
- Awarded $600 for "Application of Modern Techniques in Autonomous Racing Vehicle Implementation"