Micah MacDonald

Undergraduate Senior in Industrial and Systems Engineering

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Education

Virginia Tech
B.S. Industrial and Systems Engineering

August 2018 - May 2021 (Anticipated) Blacksburg, VA
Current in-major GPA: 3.51

Piedmont Virginia Community College
A.S. General Engineering

August 2016 - May 2018
Charlottesville, VA

Professional Experience

Ozmo
Associate Integration Engineer

Blacksburg, VA
September 2018 - Present

- Using Agile/Scrum methodology to develop software within a team.
- Co-Leading projects across departments - working collaboratively with Insights Analysts, Product Engineers, Innovation Engineers, and Content Developers.
- Writing and maintaining software tools (Javascript, Google Apps Script, Python) and automations (Python, Shell scripts) to improve the efficiency of content development and ultimately the quality of our product.
- Supporting the day-to-day operations through real-time dashboards and data analytics (Google Data Studio, BigQuery, SQL) that visualize the key performance metrics and give decision makers an accurate pulse on the quality of production.
- Using statistical process control (Excel, R) to monitor throughput and improve the content production process.

Love Justice International
Software Development Intern

Kathmandu, Nepal
June 2018 - August 2018

- Love Justice International works against human trafficking with a focus on prevention in 14 countries and provides safe homes for orphaned children in Nepal.
- Utilized Javascript (Angular 6), HTML, CSS to maintain and improve their suite of data collection/analysis tools.
- Added scalable features to accommodate new countries as LJI opened new offices.

Project Experience

ISE Senior Design Project
Fall 2020 - Spring 2021

- Partnering with a local non-profit
- Developing a job training/placement web application
- Utilizing Wordpress, PHP, MySQL, and Azure App Service

Memberships and Affiliations

- Institute of Industrial and Systems Engineers (IISE)

Skills

Software	Languages and Frameworks	Other Platforms
Adobe Photoshop	Javascript	Google Cloud Platform
Adobe Premiere Pro	Python	Google BigQuery
Excel	Node.js	Google Data Studio
Tableau	MySQL	Atlassian Jira
	R	