

NOAH JAMES GREEN

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EDUCATION

University of Michigan

BS Computer Science *GPA: 3.0*

Ann Arbor
Sep 2015 - Apr 2019

EXPERIENCE

Oasis Advanced Engineering

Research Engineer

Auburn Hills, MI
May 2019 - Present

- Developed software for Abrams COFT, a simulation trainer that is fielded and in use at military bases across the United States.
- Created a VOIP solution for replica intercoms that allows communication between trainees as well as simulation audio insertion and a record/replay function.
- Used a combination of C and Python to integrate head tracking sensors with OBS, allowing instructors to see what the trainees see at all times.
- Created display elements for the COFT instructor dashboard, written in C#.
- Used Python to develop in house build system insight tools, used these tools to efficiently disentangle and remove deprecated systems from the legacy codebase.
- Proposed a forum for recently graduated engineers to share knowledge and learn from more experienced engineers, which became a monthly event as Oasis added many new hires.
- Used C# and .NET to develop an in-house replacement for Oasis's government provided Semi-Automated Forces software.

Valkor Energy Services

IOT Engineering Intern

Katy, TX
May 2018 - Sep 2018

- Prototyped edge devices for the Oltranz IOT fuel tracking project, now deployed in Nigeria saving \$10,000 per week through theft prevention.
- Used Git to move the project from ad-hoc email based collaboration to a properly version controlled codebase.

Backyard Brains

Research Intern

Ann Arbor MI
June 2016 - September 2016

- Used Bluetooth and C to program firmware for the RoboRoach, an educational biotech demo that 'steers' a cockroach by stimulating its antennae via remote control, referred to this as a 'cyborg' at parties.

SKILLS

Languages: C/C++, Python, C#
Frameworks: Flask
Paradigms: Object Oriented Programming, Functional Programming
Technologies: Linux, Bluetooth, Git, Subversion

PROJECTS

Shopkeeper *Python, Discord API, Google Sheets API*

noahgreen.net/shopkeeper

A Discord bot that automates shopping for items in your tabletop RPG. Uses Google Sheets for easy inventory editing.