

PROFESSIONAL
SUMMARY

Background includes both academic and industrial experience focused on the real-world application of computer science. Highly organized worker bringing articulate communication skills, relentless work ethic, and eagerness for growth.

SKILLS

Object Oriented Programming with Python, C++, C#, Java
3D visualization and game design software (Unity, Blender)

Application design software (Apache Cordova, Android Studio)
Web design languages and software (HTML, CSS, JS, WordPress, Node)

WORK HISTORY

Full Stack Development Intern • *Cognitive Neuroscience Laboratory At Northwestern*

- Developed a system to facilitate at-home patient monitoring during sleep via recording Fitbit and EEG data
- Built machine learning algorithms via JMP to take recorded Fitbit data and predict the states of sleep participants are in
- Worked with the Fitbit SDK (Node.js), Android Studio, Python, SQL, and the JMP Scripting Language

Python Development Intern • *Slutzky Neuroprosthetics Laboratory At Northwestern*

Chicago, IL • August 2018 to May 2020

- Developed software that returns live biofeedback to seizure victims in order to help these people regain motor function after stroke
- Applied Python and Blender to the medical research process, explored applications of computer programming in a professional environment

Application Developer at MCRF • *Dr. Nick Shammass, MD, MS*

Davenport, IA • May 2018 to August 2018

- Designed, developed and tested a mobile application to work in conjunction with a clinical study by the Midwest Cardiovascular Research Foundation, currently used by clinical researchers to predict Iliac Vein Compression (IVC) using non-invasively obtained clinical variables
- Published abstract in JACC: Interventions, published paper in Journal of Invasive Cardiology

CEO & Partner • *Emerson Coin LLC*

Moline, Illinois • April 2017 to Current

- Built, set up, and managed cryptocurrency mining computers of varying models and targeted currencies
- Worked in the planning of cryptocurrency mining facility to hold 400-800 miners

EDUCATION

Bachelor of Science - Computer Science • *Carnegie Mellon School of Computer Science*

Pittsburgh, PA • Expected in June 2024

High School Diploma • *Illinois Mathematics And Science Academy*

Aurora, IL • 2020

- 4.0 GPA
- Ranked the #1 public high-school in America according to Niche