

Resume

Objectives

Curiosity, ambition, and honesty define my life. Through volunteer work at Dr. Johnson's Neuromodulation Research and Technology Lab, and numerous projects at the University of Minnesota, I have honed my aspiration into an indefatigable, positive attitude. My colleagues appreciate my direct and succinct communication skills, and I'm passionate about designing and developing efficiently. I hope one day to develop neuromodulatory technologies, but for now I am utilizing my leadership and my background in mathematics to create minimal, fluid, and beautiful software.

Skills and Abilities

Coding Experience

- Neuromodulation Research and Technology Lab (NRTL)
 - Python software debugging for surgical planning suite
 - Matlab to Python code conversion for Particle Swarm Optimization algorithm
 - Artificial Neural Networks for personal applications
- Bioinformatics Lab – University of Minnesota
 - R and R Studio applications
- University of Minnesota Coursework (CSCI and Biological Sciences depts.)
 - C++
 - Particle Photon UI scripting
- Bash and Github utilization as part of all coding experience
- HTML 5 and CSS
 - Bootstrap
- Vanilla Javascript
 - jQuery

IT and Computer Hardware Experience

- Projects for Pride in Living – IT Help Desk Internship:
 - Assisted individuals with use of Google Suite, Office 365, Adobe Creative Suite, and many other daily computer-related issues
 - Repaired and rebuilt PC machines
 - Worked regularly with network of virtual machines
 - Bash and Bash Scripting for Linux setup and various other tasks
 - Converted multiple machines from Windows OS to Arch or Ubuntu Linux
 - Gained familiarity with Tableau through data visualization projects
 - Some server maintenance and reconfiguration experience
- Computer hardware and software experience from years of independent work.

Personal Skills

- Self-starter and independent learner. Taught myself Python and Matlab to support research projects at NRTL. Pursued projects in data presentation for the accounting department at Projects for Pride in Living.
- Outstanding communications skills, written and verbal, in groups and with individuals of various backgrounds and skill sets.
- Resourceful and collaborative team player and leader.
- Demonstrated leadership skills in various settings, including:
 - Leading a team project for a Grand Challenge Course at UMN
 - FIRST Robotics program at Little Falls Community High School

- President for the LFCBS One Act Play State-Tournament team
 - Coaching and officiating soccer for grade school and college students
 - Certified by the American Red Cross to lifeguard in pool settings, perform CPR-PR, use an AED, and perform first-aid tasks
- Coachable and adaptive to dynamic requirements and work situations.
- Language skills: French and some Spanish.

Career and Volunteer Experience

Strategic Systems

IT Help Desk – November 2018-present

Support the replacement of computers at USBank retail branches. Diligent and thorough data entry, patient relations with technicians

Neuromodulation Research and Technology Laboratory

Volunteer Research Assistant - June 2018-present

Participate in the Lab's work in multiple spheres of research, including developing and modulating programs for the Lab, and particle swarm optimization algorithms.

Johnson-Williams Auto Livery

Hearse Driver - June 2018-present

Retrieval and delivery of deceased persons, support for bereaved.

Frank from Philly and Andrea's Pizza

Food Service Worker - February 2017-June 2017

Kitchen prep, grill cook, pizza chef, delivery driver, server, and dishwasher.

Projects for Pride in Living

IT Intern - January 2016-March 2017

User support and upkeep of daily-use technology and applications, as well as maintenance on servers and databases.

Nouis Home Care for Disabled Veterans

Dishwasher and Server - January 2013-August 2015

Performed food prep, service and, dishwashing, as well as resident assistance.

Little Falls Community Services

Coach and Certified Referee - June 2012 to July 2015

Coached intramural K-5 recreational soccer teams and officiated Minnesota Youth Soccer Association and school-sponsored soccer matches.

Charles A. Lindbergh Historic Site

Volunteer, Flight-Simulator Technician - June 2012-present

Support for patron use and upkeep of Spirit of St. Louis Flight Simulator.

ACADEMIC CAREER

University of Minnesota Twin Cities

- 106 completed credits toward bachelor's degree in neuroscience, with minors in computer science and math
- Coursework in C++, Circuits, and Bioinformatics. Math Courses including Multivariable Calculus, Linear Algebra, and Differential Equations

Trilogy Education Services Coding Boot Camp – University of Minnesota

- Enrolled in UMN/TES Coding Boot Camp (*January 2019 – March 2019*)

Little Falls Community High School, Little Falls, MN

- Diploma, 3.5 GPA (May 2015)
- Dual enrollment at Central Lakes Community College and LFCBS (2013-2015)

- Competed in multiple MNHSL State Tournaments: One Act Play (2x), Knowledge Bowl (2x), Personal Finance Decathlon

REFERENCES

Neuromodulation Research and Technology Laboratory

- Matthew Johnson (John5101@umn.edu)

Projects for Pride in Living

- Dave Pederson (612)741-5514

Charles A. Lindbergh Historic Site

- Melissa Peterson (melissa.peterson@mnhs.org)