Spencer Melnick

Computer Hardware / Software Engineer

(717) 599-0910 | smelnick97@gmail.com | github.com/spencer-melnick

Education

Temple University *Philadelphia, PA*

B.S. in Electrical Engineering w/ Computer Engineering Concentration *August 2015 - May 2020*

- Temple IEEE Award for Academic Excellence (Spring 2018)
- Dean's List (Spring 2016 - Fall 2017)
- President's Scholarship Recipient
- 3.4 GPA

Work Experience

Temple University Computer Science Department *Philadelphia, PA*

Undergraduate Research Assistant *Sep. 2018 - March 2019*

- Developed software implementations for theoretical algorithms.
- Designed, built, and analyzed simple circuits.
- Contributed to published research.

Temple University School of Architecture *Philadelphia, PA*

Technical Support *Aug. 2015 - May 2018*

- Assisted students in proper operation of laser engraving systems.
- Provided general support for computer systems and printing.
- Created a simple application for calculating the cost of lab services.
- Developed skills in 3D modeling and digital fabrication.

Extracurricular Activities

Temple Robotics *Philadelphia, PA*

Vice President *Aug. 2018 - March 2019*

- Facilitated communication between club officers and faculty advisors.
- Scheduled officer and general body meetings.
- Planned semester events and activities.

Temple Robotics *Philadelphia, PA*

Member *Sep. 2017 - May 2018*

- Collaborated with team members to plan software architecture and project milestones.
- Programmed software nodes for the ROS system.
- Developed a user interface for remote operation of a robot.
- Competed alongside team members at 2018 NASA Robotic Mining Competition.

Amateur Developer

Hobbyist *June 2007 - Present*

- Developed interactive 2D and 3D applications from the ground up.
- Designed low level memory management systems and implemented performance optimized algorithms.
- Gained skills with a variety of programming languages, APIs, and software.

Skills

Programming Languages: C, C++, C#, Java, Javascript, Python, MATLAB, HTML, Verilog

Software: Visual Studio, Git, CMake, gcc, ROS, Microsoft Office, Photoshop, Illustrator, Blender

Operating Systems: Windows, Linux