

# Stephen Melnick

Harrisburg, PA • 717.480.1114  
stephenwmelnick@gmail.com  
redesigner.github.io

## Computer Programmer/Software Engineer

---

Software engineer with 5+ years experience in object oriented programming and software design, as well as 4+ years professional experience in information technology. Full stack developer, implementing modern web frameworks. Thrives in teaching and learning environments, and pushes for new and cutting edge solutions when troubleshooting.

### Technical Proficiencies:

**Platforms:** Windows XP, Vista, 7, 8.1, 10; Ubuntu; Android

**Languages:** C/C++, C#, .NET, Java, MySQL, SystemVerilog, JavaScript, Python, HTML, CSS

**Tools/Frameworks:** OpenGL, Unreal, Git, Apache, Django, Flask, TCP/IP Protocol Suite

**Methodologies:** Object-oriented Programming, Modular Design, Technical Writing

## Professional Experience

---

**Lab Research Assistant** | Temple University Computer Science Dept., Philadelphia, PA

**August 2019 – January 2021**

Doctoral Program Research Assistant, responsible for data research and computer programming necessary for experimentation.

- Assisted with lab experimentation and data collection.
- Designed and prototyped circuits and programs for interfacing with data collection software.

**Installer** | Pierson Computing Connection, Mechanicsburg, PA

**April 2018 – August 2018**

Contracted work installing and delivering hardware to outlets including schools and medical facilities. Involved in all steps from setup to delivery and client roll-out.

- Programmed Arduino microcontrollers to fully automate setup of Chrome OS, as per client instructions.
- Completed 5000+ laptop installs for 5+ school districts in Pennsylvania and New Jersey, as part of a team, rapidly accommodating additional contracts in a timely manner.

**Help Desk Associate** | Temple University IT, Philadelphia, PA

**August 2015 – April 2018**

Client-facing federal work study operation out of the information technology center. First point of contact for client's technical questions and managed a variety of printers and hardware, including upgrades and repair.

- Contacted vendors for advanced support and specific requests, with software such as ArcGIS and Adobe suite of products.
- Wrote custom scripts to handle management of legacy systems, including bulk installs and non-networked policy changes.

## Education

---

**Bachelor of Science in Computer Science**

**2016 - 2021**

Temple University, Philadelphia, PA

## Additional Skills

---

*2D/3D Game Design and Development, Illustration, Watercolor Painting, Digital Painting, Technical Writing and Investigative Research, Creative Writing, Graphic Design, Animation*