

Stephen Melnick

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redesigner.github.com

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