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Personal Web Site

New Jersey

Sotiris Psofakis

Computer Engineer with specialty in Computer Systems

University Education

Bachelors of Computer Engineering Track in Advanced Computer Systems

Jun 2021 - May 2026

NEW JERSEY INSTITUTE OF TECHNOLOGY

Newark, NJ 07102

- Key Courses: Advanced Computer Architecture, Circuits and Systems, Electronic Circuits, Signal Transmission, Digital Design & Microprocessors, Calc 3, Dif. Equations, Random signal and Noise(probability and statistics), Digital Data Communication, Applied Machine Learning

Projects/Lab Work

- Designed CPU components:
 - Sequence detectors & Logic Gate Detector:
 - Solely designed a circuit that can identify different inputted logic components using both logic circuitry and microcode.
 - Calculator/Arithmetic processing unit:
 - Solely designed and Built a circuit that can perform arithmetic calculations using an ALU(to perform some of the pre set arithmetic operations) and designed additional circuits for other arithmetic operations not in the ALU.
- Server for Cloud storage/ Home Lab:
 - Set up personal cloud storage solution that can perform back ups and auto sink between devices to store data as well manage home automation and processes from other personal computers, using services as Cloudflare and Tali-scale.
- Capstone/ Senior Project:
 - Secure UWB Precision Position Tracking System

SKILLS

- 3D design programs: Fusion 360, SolidWorks
- Design/Making skills: 3D printing design, soldering
- Coding Languages: Python, C++, Java, RiscV(**assembly**)
- Simulation software: Gem 5, HP cacti
- Languages**: Fluent in Greek and English

EXPERIENCE

Secure Systems Research Assistant

Aug 2025

Hofstra (Emanuel G.Boussios Lab)

Hempstead, NY

- Assisted Dr.Boussios on researching and understanding how whistle blower tools work.
- Developed slides to teach Dr.Boussios about Secure drop servers, the dark web, TOR, and Encryption.
- Developed slides to teach High schoolers about Hardware of Secure systems and career opportunities in the field.
- Created simple programs to demonstrate Encryption and how secure systems are being designed to be secure.

Construction Electrician Technician

Jun 2018 - Present

New Jersey

Work Skills:

- Develop **efficient and reliable** solutions to complex problems.
- Utilize **Critical thinking** skills to develop efficient and reliable solutions to complex problems.
 - Created and executed plans to **support multiple groups** with varying goals, ensuring seamless collaboration and productivity.
- Proactively addressed unexpected challenges to maintain a **seamless workflow**, resulting in increased efficiency and **streamlined operations**.
- Motivated team members to complete tasks with **efficiency** and **effectiveness** for them to last long.
- Communicating** effectively with team members to assign tasks based on individual skills, and optimizing workflow.
- Analyzed** and synthesized diverse ideas from the whole team to develop innovative solutions to complex problems.

AFFILIATIONS

EOP, IEEE member

AWARD & ACHIEVEMENTS

- Engineering By Design, Physics Achievement Award [2021]
 - Awarded for greatest achievements on Lab reports.
- Computer Science [Sumer 2021]
 - Awarded for highest grade in class.
- Robotics Club Design and Construction Leader[2017-2020]
 - Captain of the budling team and assisted designing, coding team.
- Board member for Ascension Greek Orthodox Youth of America [2019-2020]
 - Managed communications with partnering groups and companies.

EXTRACURRICULAR ACTIVITIES

- Ascension Greek Orthodox Youth of America member[2016-2020]
- Ascension Greek Orthodox Youth of America dance group member[2016-2020]
- **Hobbies:** Hiking, Photography, Boxing, Exercising, Roller blading, Running, Greek Dancing.

VOLUNTEERING EXPERIENCES

Bergen County, NJ(2021-present)

- Tutored local college, high school, and middle school students in Pre-Algebra, Algebra, Calculus, Chemistry, Physics, Computer Science, and Robotic.

Ascension Greek Orthodox Church Fairview, NJ(2016-present)

- Assist with tasks affiliated with the electrical mediums as well as aided in the development of the local community by assisting people and helping in the food pantry.