

Eleni Voudouris

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EDUCATION

University of Illinois at Urbana Champaign

Bachelor of Science in Computer Science, Minor in Business

Aug 2023 – May 2027

GPA: 3.84/4.00

TECHNICAL SKILLS

Programming Languages: Python, C/C++, Java, Bash, CSS/HTML/JS, JSON, Verilog

Frameworks/Dev Tools: Git, Docker, ROS2, Flask

Platforms/Packages: GitHub, Ubuntu, Linux, Command Line, Numpy, VS Code, Visual Studio

Relevant Courses: Algorithms, Data Structures, Systems Programming, Discrete Structures, Models of Computation

Spoken Languages: Greek (Native), English (Native)

EXPERIENCE

Undergraduate Researcher

Aug 2024 – Present

Parasol Lab

University of Illinois at Urbana Champaign

- Developing novel prediction + planning algorithms with applications in autonomous vehicles and HRC
- Extensively analyzed 70+ papers ranging from probabilistic frameworks, Markov Decision Processes, and Deep Learning for survey paper on intention prediction integration with motion planning
- Optimizing and developing seamless integration utilizing Python and ROS2 of semantic based trajectory prediction and motion planning for automation of vehicles and robots in collaborative environments
- Collaborating with PhD students and professors to gain practical experience in research and Git collaboration

Intern

May 2022 – Aug 2022

Exinda Therapeutics

Northern California

- Contributed to early R&D for a novel pediatric oncology drug alongside researchers and faculty supporting cross-functional collaboration across scientific and regulatory teams
- Maintained database of 50+ preclinical reports, regulatory filings, and patents, streamlining research accessibility
- Used pharmacokinetic data analysis software to support drug efficacy evaluation, contributing findings that informed ongoing research decisions

PROJECTS

Drive Doctor | *Python, Flask, HTML/CSS, Hugging Face API*

August 2024 – Present

- Developing Chrome extension utilizing Python, CSS, JSON, and JavaScript that systematizes Google Drive files
- Using Flask to connect the front and back ends, adding the functionality of creating new files with the extension
- Developed a semantic file-organization pipeline using MiniLM sentence embeddings from Hugging Face to compute file similarity and automatically group related files.

LEADERSHIP EXPERIENCE

Co-Founder and President

Aug 2024 – Present

Illinakia Greek Folkloric Dance

University of Illinois at Urbana Champaign

- Raised \$1,500 for club development and support of intercultural activities with other cultural clubs on campus
- Lead weekly meetings, teaching traditional Greek dances to group of 20+ peers
- Pioneered introducing this tradition to a broader audience, honing skills in collaboration and coordination
- Fostering knowledge of Greek customs and dance through hosting folk dance workshops with other cultural clubs

Secretary and Treasurer

April 2024 – Present

Hellenic Student Association

University of Illinois at Urbana Champaign

- Manage minutes and organize events of the Hellenic Student Association
- Oversee financial accounts of club and keep track of sales during fundraising
- Foster Hellenic culture through Greek events, game nights, and regular gatherings

ACHIEVEMENTS AND AWARDS (2023-2025)

Awards: Dean's List UIUC, Computing Research Association REU

Achievements: Cyber 9/12 Strategy Challenge 2nd Place Overall

Scholarships: AHEPA AEF, AHEPA District 21, FAITH Endowment, George Reveliotis, Jorgi Boom