

Evangelos Lamprou

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EDUCATION

Master in Computer Science and Engineering

Technical University of Denmark, Denmark

September 2023 - July 2025

MEng in Electrical and Computer Engineering

University of Patras, Greece

October 2018 - July 2023

Major: Computer Science

Top 3% of cohort

EXPERIENCE

Brown University

Research Intern

September 2023 - Present

Providence, USA

Conducting research on regenerating software ecosystems for supply chain security and mining specifications for black-box shell commands.

Implemented infrastructure and created assignments for the CS1380 *Distributed Computing Systems* course.

Supervisor: Prof. Nikos Vasilakis

Oticon

Embedded Software Engineer (Part Time)

September 2023 - August 2024

Smørumnedre, Denmark

Discovered and patched a bug related to the company's ear-aid charger that allowed bootloader memory to be freely modified in release builds.

Developed a static analysis tool using `clang-query` to detect common programming errors. Discovered and fixed 100+ bugs, one of which was a major defect in the company's charger firmware.

Implemented a framework for hardware error handling over the company's entire accessory codebase (over 600k lines of driver code and in-house operating system).

Technical University of Denmark

Teaching Assistant

September 2023 - December 2023

Lyngby, Denmark

Teaching assistant for DTU's *Operating Systems* course.

Instructor: Prof. Xenofon Fafoutis

University of Patras

Teaching Assistant

September 2022 - October 2023

Patras, Greece

Created programming assignments on developing **Linux Kernel Modules** and experimenting with the **xv6 Kernel** for the *Operating Systems* undergraduate course. Exercises have been integrated into the course's curriculum. [\[material\]](#)

Supervisor: Prof. Christos Fidas

Bionos Biotech S.L (Erasmus+ Placement)

Software Engineer & Data Scientist (Internship)

June 2022 - August 2022

Valencia, Spain

Built robust data processing applications using R and Python which replaced researcher's manual processing tasks related to the analysis of gene expression data.

Setup a CI/CD and code review pipeline to help with collaboration between the team's software engineers.

PUBLICATIONS

Evangelos Lamprou, Julian Dai, Grigoris Ntousakis, Martin Rinard, Nikos Vasilakis "Supply-chain vulnerability elimination through LLM-assisted regeneration" (In Preparation)

Evangelos Lamprou, Seon-Heong Jung, Konstantinos Kallas, Nikos Vasilakis "Verifiably Sound Specification Mining for Shell Commands at Scale" (In Preparation)

Evangelos Lamprou, Christos Fidas "Investigating Applicability Heuristics of Answer Set Programming in Game Development: Use Cases and Empirical Study" (Accepted at the 2nd International Conference of the ACM Greek SIGCHI Chapter)

[\[paper\]](#) [\[code\]](#)

HONORS & AWARDS

Huawuei “Seeds for the Future” Scholarship

June 2023

Awarded based on academic performance and contribution to the ECE department.

IEEE Xtreme 16.0 Competition

October 2022

Team name: “notWizards”

Placed globally at the top 4% among 6373 teams.

SELECTED PROJECTS

%*seax* Search Engine

October 2023

Urbit Assembly Hackathon

Developed a meta search engine for the Urbit network using the *Hoon* programming language. [\[code\]](#)

(Received honorable mention)

ScummVM (2k+ Github Stars)

February 2023

Open Source Contribution

Developed a generic parser, providing a more robust and easy-to-use interface when dealing with MCI (Media Control Interface) commands inside the *Director* game engine. [\[code\]](#)

zino-engine: A performant 3D Game Engine.

2022

University of Patras

Greece

Developed a graphics engine using C++ and OpenGL. [\[code\]](#)

Course: Computer Graphics and Virtual Reality, Prof. Konstantinos Moustakas

vars

2021

Personal Project

Developed a custom linux meta distribution for streamlined workflow [\[code\]](#).

VOLUNTEER ACTIVITIES

IEEE Student Branch

June 2022 - June 2023

Computer Society Chapter Chair

Patras, Greece

Responsible for overseeing and coordinating scientific group meetings and events. (Total members: 30)

Received the *IEEE Exemplary Student Branch Award* for the 2022-2023 academic year.

IEEE Student Branch

October 2021 - June 2022

Programming Scientific Group Coordinator

Patras, Greece

Coordinated weekly educational meetings (20 in total) on technical topics. [\[material\]](#)

Coordinated individual projects for fifteen students.

LANGUAGES

Greek (native speaker)

English [IELTS Band 8.5 (taken 15th January 2023)]

German (beginner)

REFERENCES

Christos Fidas

ECE Department

University of Patras

Rion-Patras, Greece

fidas@upatras.gr

Nikos Vasilakis

CS Department

Brown University

Providence, USA

nikos@vasilak.is

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