

EDUARD TANASE

+1 (520) 909-5378 | eduard.tanase1@gmail.com | Oro Valley, AZ, USA | [linkedin.com/in/eduard-tanase](https://www.linkedin.com/in/eduard-tanase) | github.com/meme8383

EDUCATION

Purdue University - West Lafayette

August 2022 - May 2026

Bachelor's, Computer Engineering

GPA: 4

- Concentrations: Software Engineering, Computer Systems
- Organizations: John Martinson Honors College, Goss Scholars, Purdue IEEE, Vertically Integrated Projects (VIP)
- Study Abroad - National University of Singapore, Spring 2025

EXPERIENCE

ECELabs, Purdue University

West Lafayette, IN, USA

Software Engineer

June 2024 - Present

- Led the development of ecelabs.io, a visual and text Verilog/SystemVerilog editing, compilation, simulation, and remote FPGA testing platform used by 200+ students.
- Rewrote front-end in Vue.js and back-end in FastAPI, resulting in a 97% decrease in latency and enhanced user experience.
- Containerized the platform using Docker and deployed it on Kubernetes, alongside ArgoCD, GitHub Actions, Pytest, and Playwright for CI/CD, ensuring stability alongside scalability and rapid development.

Nano Neurotechnology Lab, Purdue University

West Lafayette, IN, USA

Undergraduate Researcher

January 2024 - Present

- Developed and optimized machine learning models in PyTorch and Scikit-learn to analyze neural data in mice.
- Findings presented at Purdue BME Research Symposium, Society for Neuroscience 2024, and Cosyne 2025 conferences.

University of Arizona

Tucson, AZ, USA

Data Services Intern

May 2023 - August 2023

- Designed and implemented custom Power BI queries to aggregate data from 400+ clinical trials from SOAP and REST APIs.
- Created an interactive Power BI report tool allowing users to filter and search ongoing trials, improving data accessibility and user experience.

PROJECTS & INVOLVEMENT

Deaf-i - [Link to project](#)

Tucson, AZ, USA

Chief Technology Officer (CTO)

July 2023 - Present

- Built a website for Deaf-i, a nonprofit for cochlear implant awareness, using Next.js, Stripe, and MailChimp.
- Added blog functionality and content management system via Prismic, ensuring easy content creation for executives.

TicketMango - [Link to project](#)

June 2023 - Present

Founder

- Conceptualized and developed an online event ticketing platform using Next.js with Supabase database, Clerk authentication, and ShadCN UI for a modern interface and intuitive user experience.

Purdue IEEE

West Lafayette, IN, USA

Vice President of Technical Committees

May 2024 - Present

- Managed seven technical committees, overseeing over 800 active members in Purdue's largest technical organization.
- Led data analysis and ML model development for NeurotechX competition in Systems, Man, and Cybernetics Society.
- Co-hosted BR41N.io hackathon, an IEEE SMC hackathon for BCI, BMI, AR, VR, and ML using EEG/ECOG data.

SKILLS

Skills: Java, HTML/CSS, MATLAB, Bash, Verilog, Tensorflow, Pytorch, Next.js, React.js, Vue.js, Node.js, Express.js, Linux/Unix, Docker, Power BI, Adobe Photoshop, FPGA, Python, Git, SEO, JavaScript, TypeScript, MailChimp, Excel/Numbers/Sheets, MySQL, NoSQL, Postgres, FastAPI, Kubernetes, GitHub, Stripe, Agile, AutoCAD, Bootstrap, C/C++, Flask, Heroku, Jest, jQuery, Jupyter, Keras, MongoDB, MySQL, Nginx, NumPy, Pandas, Postman, PowerPoint/Keynote/Slides, Printed Circuit Board (PCB) Design, REST APIs, Unreal Engine, Vercel, VHDL, Web Development, KiCAD, Cadence Virtuoso, Quartus, Assembly

Languages: Romanian, Spanish, Japanese, English