

Philip Wallis | US Citizen | Houston & DFW, Texas, USA
+1 (713) 205-4120 | philiptw115@gmail.com | <https://pwallis.com>

EDUCATION

University of Texas at Dallas | Richardson, Texas, USA **December 2023**
Bachelor of Science in Computer Science
- **Relevant Courses:** Machine Learning, Artificial Intelligence, Computer Vision, Database Systems, Computer Networks, Advanced Algorithm Design & Analysis, Computational Methods for DS, Big Data Management & Analytics

SKILLS

Languages Java, Python, TypeScript, JavaScript, SQL, HTML, CSS, C/C++, Shell
Libraries React, Next.js, Vite, TailwindCSS, Auth.js, Express.js, Prisma, tRPC, PyTorch, TensorFlow, Pandas, NumPy, Sklearn, matplotlib, seaborn
Tools/Others Git, GitHub, CI/CD, AWS, GCP, Cloudflare, REST API Development, Postman, Agile, Technical Communication & Writing, Project Management, Problem Solving

AWARDS

Google Cloud Hero Challenge | Houston, Texas, USA **September 9, 2024**
1st rank – Gemini & Vertex AI @ Google Cloud Houston

EXPERIENCES

Toyota Financial Services | Software Engineer | Plano, Texas, USA **Jan 2023 - May 2023**

- Developed a prototype employee rewards system leveraging internal cryptocurrency for Senior Design project at UTD
- Built a RESTful API with Express to interface with React frontend, ERC20 Smart Contract, and a MySQL database
- Presented to 15+ senior management members, received commendations for functionality and innovative approach

AIAA UTD | Web Developer | Richardson, Texas, USA **Jan 2021 - Dec 2023**

- Developed & Maintained the AIAA UTD Website using React and Next.js, promoting club activities and recruiting
- 60% increase in monthly visitors, became one of the largest organizations at UTD

American Robotics Academy | Instructor | Spring, Texas, USA **Jun 2018 - Jul 2019**

- Taught 30+ students weekly between ages 7-14 with a focus in engineering and technical design concepts
- Guided older students to program LEGO Technic and Mindstorm EV3 robots in maneuvering challenges

KAIST, Visual Intelligence Laboratory | Intern | Daejeon, South Korea **Jun 2018 - Jun 2018**

- Utilized Intel RealSense SDK in Python for real time road scanning for autonomous car development

Texas Torque | Team Lead | The Woodlands, Texas, USA **Jun 2015 - May 2019**

- Media Captain, Managed social media and 25+ members for team promotion in the Greater Houston Community
- Managed sponsor relationships and public appearances, earning 8 prestigious awards for social impact

PROJECTS

Wakscord | Frontend Developer | Remote, South Korea **Feb 2024 - Current**

- Created React components for web and mobile used to send live notifications to 25000+ users on Discord
- Collaborated with designers and artists to develop the app design and features for the web app development

Forest Wildfire Detection using Vision | AI Developer | Plano, Texas, USA **Nov 2023 - Dec 2023**

- Built an Image Classification model for wildfire detection using 2700-image dataset leveraging ResNet50 CNN with transfer learning and advanced data preprocessing and transformation techniques, utilizing PyTorch and Pandas
- Achieved 68.29% test accuracy after training on a personal CUDA-enabled system, visualized with seaborn

Link Shortener Web App | Full Stack Developer | Remote, USA **Jun 2023 - Sep 2023**

- “bit.ly”-like web application that creates a short URL with analytics, utilized Next.js, Auth.js, Prisma, and TailwindCSS