

Philip Wallis
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EDUCATION

Bachelor's Degree – B.S. in Computer Science, The University of Texas – Dallas

Aug 2019 - Dec 2023

EXPERIENCE

Software Engineer **Toyota Finance Services** Jan 2023 – May 2023

- Created a prototype of a rewards system that utilizes internal crypto currency as Senior Design project at UTD
- Presented the prototype of TFS to 15+ executives and received positive feedback on development
- Full Stack Development using JavaScript, React, Express.JS, CSS and ERC20 token on Ethereum Blockchain

Web Developer **AIAA UTD – American Institute of Aeronautics and Astronautics** Jan 2021 – Dec 2023

- Design and develop the AIAA website for UT Dallas, Promoting club activities and recruiting
- 60% Increase in MAU as a part of the team, eventually to become one of the largest organizations at UTD
- Utilized JavaScript, React, Next.JS, TailwindCSS to create functionalities and design

Instructor **American Robotics Academy** Jul 2018 – Aug 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

Intern **Visual Intelligence Laboratory, KAIST** Jun 2018 – Jul 2018

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

Team Lead **FIRST Robotics Competition Team 1477, "Texas Torque"** Jun 2015 – May 2019

- Media Captain, June 2017 - 2019; managed 25+ team members and promote robotics within the school district
- Managed team's social media, sponsors and public relations and social impact, earning 8 prestigious awards

PROJECTS

Frontend Developer **Wakscord** Feb 2024 – current

- Create key components for generating and sending live update notifications to 25000+ users on Discord
- React, Typescript, Web Scraping, multiple API's, Vite, Emotion.js, and Framer Motion

AI Developer **Wildfire Detection using PyTorch Computer Vision** Dec 2023

- Built an Image Classification model to detect wildfire with a 68.29% Accuracy utilizing Computer Vision Technology
- Pandas, Seaborn, ResNet50 CNN Model, Transfer Learning, Data preprocess, normalize, and transformation

Full Stack Developer **Link Shortener Web App** June 2023 – Sep 2023

- "bit.ly"-like web application that creates a new shorter url, utilizing NextJS, AuthJS, TailwindCSS, TypeScript, MySQL

AWARDS

Google Cloud Hero Challenge 1st Rank

Sep 9, 2024

- 1st rank - Google Cloud Hero Challenge – Gemini & Vertex AI at Houston, TX

SKILLS

Languages: TypeScript, JavaScript, Python, Java, C/C++/C#, SQL
Web: React, NextJS, HTML, TailwindCSS, AuthJS, ExpressJS, REST API, tRPC
Machine Learning: PyTorch, Tensorflow, Pandas, Numpy, Sklearn
Data Analysis: Pandas, Numpy, Matplotlib, Seaborn,
Cloud: AWS, GCP, Cloudflare, Vercel, GitHub
Software: Git, Adobe Suite, MS Office, VSCode, Unix, OSX, Windows
Soft Skills: Agile team environment, Leadership, Technical communication, Problem solving, Time and Project management, Creativity, and innovation

COURSES Database Systems Advanced Algorithm Design & Analysis
Computer Networks Computer Vision Computational Methods for Data Science
Artificial Intelligence AI Machine Learning ML Big Data Management & Analytics