

Philip Wallis

US Citizen
Spring, Texas, USA 77386

Cell: +1 (713) 205-4120
Email: philiptw115@gmail.com
www: <https://pwallis.com/>

EDUCATION

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

Aug 2019 - Dec 2023

EXPERIENCE

Software Engineer **Toyota Finance Services & UTD Senior Design** Jan 2023 – May 2023

- Created a prototype demo of a rewards system as a part of the UTD Senior Design Project
- Presented 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
- 60% Increase in MAU as a part of the team
- 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 11-15 engineering and technical design
- LEGO Technic & Mindstorms EV3

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

- Real time road scanning for autonomous car development
- SDK Interactions using Intel RealSense in Python

Team Lead **FRC 1477 Texas Torque** Jun 2015 – May 2019

- Media Captain, June 2017 - 2019; managed 25+ team members.
- Managed team's social media and public relations, earning 8 prestigious awards

PROJECTS

Frontend Developer **Wakscord** Feb 2024 – current

- 30000+ unique user visits with peak 850+ concurrent users on v2.0 release day
- React, Typescript, Vite, Emotion.js, and Framer Motion

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

- 68.29% Test Accuracy in Wildfire Detection in Forests between Fire and No Fire
- PyTorch, ResNet50 CNN Model, Transfer Learning, Data Normalization, Data preprocessing and Transforms, Image Classification Model, Seaborn, Pandas

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

- Full stack application like "bit.ly", summer project using NextJS, AuthJS, TailwindCSS, TypeScript, MySQL Database

SKILLS

Languages: TypeScript, JavaScript, Python, Java, C/C++/C#, SQL
Web: React, NextJS, HTML, TailwindCSS, AuthJS, ExpressJS, REST API, RPC
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

RELATIVE 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