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
- 25000+ Monthly active users, created key components used for generating a new notification
- 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

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