

Philip Wallis

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EDUCATION

B.S. in Computer Science, The University of Texas – Dallas, Graduated December 2023

EXPERIENCE & PROJECTS

<i>Developer</i>	Wildfire Detection using PyTorch Computer Vision	Dec 2023
<ul style="list-style-type: none">68.29% Test Accuracy in Wildfire Detection in Forests between Fire and No FirePyTorch, ResNet50 CNN Model, Transfer Learning, Data Normalization, Data preprocessing and Transforms, Image Classification Model, Seaborn, Pandas		
<i>Developer</i>	Dog Breed Identification using Tensorflow Computer Vision	Nov 2023
<ul style="list-style-type: none">71.33% Test Accuracy in Classifying 120 different Dog BreedsTensorflow, Keras, sklearn, Seaborn, Pandas		
<i>Full Stack Developer</i>	https://vtu.bio/ - Link Shortener website	June 2023 – Sep 2023
<ul style="list-style-type: none">Full stack application like “bit.ly”, written as a summer personal projectNextJS, AuthJS, TailwindCSS, TypeScript, MySQL Database		
<i>Full Stack Developer</i>	Toyota Finance Services	Jan 2023 – May 2023
<ul style="list-style-type: none">Create a prototype demo of employee rewards system as a part of the UTD Senior Design ProjectReact, ExpressJS, CSS and ERC20 token on Ethereum Blockchain		
<i>Developer</i>	Mock Company Database	Dec 2022
<ul style="list-style-type: none">Fully functional company relational database with mock dataUtilized stored procedures and complex queries for optimized searches		
<i>Instructor</i>	American Robotics Academy	Jul 2018 – Aug 2019
<ul style="list-style-type: none">Taught kids between ages 11-15 engineering and technical designLEGO Technic & Mindstorms EV3		
<i>Intern</i>	Visual Intelligence Laboratory, KAIST	Jun 2018
<ul style="list-style-type: none">Studied SDK Interactions using Intel RealSenseReal time road scanning for autonomous car development		
<i>Captain</i>	FRC 1477 Texas Torque	Jun 2015 – May 2019
<ul style="list-style-type: none">Media Captain, June 2017 - 2019; managed team's Twitter, Instagram, YouTube, WebsiteCollaborated with Outreach to lead a team of 25+ to earn 8 prestigious awards200+ hours of community service in North Houston, TX		

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, Vercel, PlanetScale, 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 DS
	Artificial Intelligence AI	Machine Learning ML	Big Data Management & Analytics