

Daniel Warfield

Entrepreneur | Engineer | Software Developer | Artist

Contact: hire@danielwarfield.dev
Location: Austin TX (moving to)
More Info: www.danielwarfield.dev

Experience

Developer for 5+ Years, Technical Founder for 4+

Entrepreneur

Co-Founder

— OK2 —
Lead developer, “AI Architect”, and technical founder at a B2B, data science heavy startup

Misc E-Commerce

— ***Products, Asp***, ***Hats —
Used E-commerce to get my feet wet in organic and traditional marketing, fulfillment, procurement, etc.

Software Developer

Lead Developer

— OK2 —
Aligned business trajectory, technical progress, and resources to get from technical debt to letters of intent

Data Scientist

— OK2 —
Functioned as lead dev throughout the entire data collection, modeling, testing, and deployment ML loop

Backend Developer

— OK2 —
Created dockerized micro-services, databases, application layers, and notification systems

Front End Developer

— OK2 —
Created mobile and web applications for internal data collection and visualization, and managed a team of contractors to create a customer facing mobile app

Simulation

— DRDI - OK2 - Academic —
Simulated a variety of systems in various programming languages

System Config/Networking

— DRDI - OK2 —
Worked on computational systems communicating via LAN and WAN

Engineer

Product Development

— DRDI —
Designed, fabricated, and tested 3D scanners

Simulation

— DRDI - OK2 - Academic —
Simulated a variety of systems in various programming languages

Micro Electronics

— DRDI - OK2 - Academic —
Interfaced with, designed, and prototype low level electronic and electromechanical systems



Skills

Breadth and Depth

Tools

Project Management

Jira, Confluence, GitHub, Google Suite

Data Science

Python, Pandas, Numpy, Matplotlib, TF.Keras, SKLearn, Astropy, PyMongo, AWS Sage Maker, Jupyter

Front End Development

Javascript, HTML, CSS, React, React Native

Back End Development

Javascript, Node.JS, Python, Flask, AWS Elastic Beanstalk, AWS Fargate, AWS S3, AWS SageMaker, MongoDB Atlas, MongoDB Realm, Docker

Simulation

Python, MATLAB, Simulink, Processing, Blender, Autodesk Inventor

Talents

Leadership

Understanding the skills of a group and aligning everyone towards a particular goal, while mitigating shortcomings and preserving a positive culture.

Vision

Visionaries must have excitement, which is tempered by practical experience. This is vital in uncovering opportunities, and discerning them from resource sinks

Scrappiness

Multidisciplinary learning allows me to adapt to complex problems, tenacity gives me the grit to solve them, and experience allows me to see forests through trees

Creativity

Creativity is a natural gift, but also a result of multi-domain knowledge. It's a function of how far you can leap, and what you can leap from.

Self-Learning

My entire life has been a conquest to have mastery over as many domains as possible. I don't see that changing any time soon.

Accountability

When you build companies, you learn that lying to preserve your ego is a killer. If I get fired because I admitted to making a mistake, great, saved me a resignation.

View My Online Profile



www.danielwarfield.dev

Companies

OK2StandUP (OK2)

— 4y 1mo | 2019-2023 —
Co-Founder, lead software developer, and data scientist, creating AI based fall mitigation technology

University of Pittsburgh

— 2y 11mo | 2018-2019 —
Functioned as a group tutor and student instructor of Physics, CAD, and MATLAB

Direct Dimensions (DRDI)

— 1y 3mo | 2018-2019 —
Designed, Manufactured, and Tested photogrammetry sensors

The Foundry

— 2y 3mo | 2015-2017 —
Taught CNC Laser engraving and CAD

Education

Mechanical Engineering

— U-Pitt —
Bachelors in Mechanical Engineering, University of Pittsburgh, 3.30 Engineering GPA, 3.38 Cumulative GPA

Computer Science

— U-Pitt —
Minor in Computer Science, University of Pittsburgh, 3.70 Computer Science GPA

Mathematics

— U-Pitt —
Minor in Math, University of Pittsburgh, 3.40 Mathematics GPA

Key Classes

Calc1-3, linalg, Measurements, Physics, Thermo, Fluids, Statics/Dynamics, Parallel Computing, Machine Learning, Data Base, Data Structures

Where I See Myself

The book “Algorithms to Live By” explores the “explore/exploit” problem, which is essentially the logic between investing in exploring new sources of utility, and capitalizing on sources which one has found through exploration. Generally, the solution is to invest in exploration early, and capitalize on that exploration later. I feel I’ve explored, and I’m ready to capitalize. I want a high paying job, working with amazing people, on fascinating problems, at a driven, aligned, and competitive company. I want to look up to my colleagues, and rise to their level.