

## Technical Skills

- **Extensive knowledge:** Javascript/Typescript, HTML, CSS, GraphQL, Java, C, PostgreSQL, and MongoDB
- **Familiar:** Rust, Solidity, Python, Docker, Kubernetes, Helm, C++, C#, MATLAB, and Visual Basic
- Designed and built a 3D mobile application that utilizes accelerometer data with UnityScript
- Developing my personal website as an online portfolio and gallery ([dakdoug.com](http://dakdoug.com))

## Experience

**Platform Engineer** | Voice LLC August 2020 – March 2023

- Architected on-chain data structures for non-fungible tokens on next generation, carbon neutral NFT platform
- Gained experience across the entire development stack from React in Typescript, to Apollo GraphQL, to PostgreSQL, to deployment in Kubernetes

**Software Engineer** | Block.one June 2018 – July 2020

- Created and maintained a content addressable storage system in Typescript with GCS and AWS buckets
- Contributed signature provider and cryptography upgrades to open source library EOSJS

**Software Engineer** | ViaSat Summer 2017 – Fall 2017

- Created web application with .NET framework which saves engineers hours of manual test data entry weekly
- Afforded the unique opportunity to continue working full-time through the Fall for a co-op

**JavaScript Developer** | SynaptiCAD Spring 2016 – Spring 2017

- Developed web application from the ground up using React, Flux (Alt), Node.js, and MongoDB
- Linked application to a Python engine to solve and graph multiple simultaneous equations

**Campus Manager** | StudySoup Spring 2016 – Spring 2017

- Led a team of 10 interns to market the StudySoup brand
- Pitched to over 8,000 students and led the nation in recruitment two semesters in a row

**UX Designer** | Virginia Tech Information Technology Fall 2016 – Spring 2017

- Designing user tests, collecting data, and analyzing data to improve user experience
- Advising and assisting development team in making changes to the IT website

## Education

**B.S. in Computer Science, Minor in Leadership and Social Change** May 2018

Virginia Tech, Blacksburg, VA

- *magna cum laude*

## Personal Project

I spent my final semester of college creating an interactive and customizable audio-visualizer. This visualizer utilizes WebGL and ThreeJS to render fractals to the beat of music in real time. I have since refined the software to allow for more flexibility and used it to generate visuals for multiple live DJ performances. I plan to continue to pursue the development of *Fractaleyez* to share audio-interactive visualizations with the world. ([fractaleyez.com](http://fractaleyez.com))

## Extracurricular Activities & Positions

- Founder of Event Planning and Benefit Concert Organization, Bassyndicate LLC January 2019 – Current
- Graphic Design/Corporate Sponsorship Committee Member, VT Relay for Life Fall 2015 – Spring 2017
- Armed Forces Special Operations Preparatory Team Member Spring 2015 – Spring 2016