

Education

B.S. in Computer Science, Minors in Mathematics and Leadership and Social Change

May 2018

Virginia Tech, Blacksburg, VA

- 3.66 cumulative GPA

Relevant Coursework

Data Structures and Algorithm Analysis

Computer Systems

JavaScript for Java Programmers

Introduction to GUI Programming/Graphics

Mobile Software Development

Introduction to Human-Computer Interaction

Personal Project

Over the course of the last semester, I designed and built an Android application called *CollabQ*. This application utilizes the Spotify API and Socket.IO to transform your phone into a collaborative jukebox. One user connects to a speaker and creates a jukebox session, then other users can join the session and add songs from Spotify's database to the collective queue. I plan to continue to pursue the development of *CollabQ* and reshape the way we share music.

Computer Skills

- Extensive knowledge of JavaScript, Java, C, HTML, CSS, and MySQL code
- Light experience with, MongoDB, C++, C# PHP MATLAB, and Visual Basic
- Proficiency with AutoCAD, Adobe Illustrator, and Adobe Photoshop + Lightroom
- Designed and built a 3D mobile application that utilizes accelerometer data with UnityScript
- Created The Hokie Forum from scratch with my roommate, a location-based forum for VT students
- Currently developing personal website for online portfolio and gallery (www.dakdoug.com)

Experience

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 this 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
- Learned valuable communication skills and marketing techniques

UX Designer | Virginia Tech Information Technology

Fall 2016 – Spring 2017

- Designed user tests, collecting data, and analyzing data to improve user experience
- Advised and assisted development team in making changes to the IT website

Extracurricular Activities & Awards:

- Air Force Flyers Member Spring 2014 – Spring 2016
- Armed Forces Special Operations Preparatory Team Member Spring 2015 – Spring 2016
- Graphic Design/Corporate Sponsorship Committee Member, VT Relay for Life Fall 2015 – Spring 2017