**WORK EXPERIENCE**

**VECTOR WEB DEVELOPMENT, Birmingham, AL**

*Freelance Web Developer, June 2017 - Present*

* Developed RESTful API and backend supporting *thechristmascarolers.com*.
* Designed SQL schema for The Christmas Carolers.
* Set up and maintained production server for *thechristmascarolers.com*.

**UAB OFFICE OF ENERGETICS, Birmingham, AL**

*Application Programmer, April 2017 - Present*

* Designed backend for *researchcoder.com*, which facilitates the mass encoding of scientific papers for meta-research studies.
* Devised data model to support the storage, querying, and retrieval of highly dynamic paper encodings.
* Set up and maintained production server for *researchcoder.com*.

**SHAW TECHNOLOGY, Montgomery, AL**

*Interning IT Technician, May 2015 - Jan 2017 summers and winters*

* Provided both remote and onsite technical support to end-users.
* Troubleshot and diagnosed malfunctioning software and hardware.
* Recovered data from failing hard drives.
* Scripted solutions to recurring issues, saving ~240 hours over two years.
* Performed and coordinated cable installation projects.

**EDUCATION**

**UNIVERSITY OF ALABAMA AT BIRMINGHAM, Birmingham, AL**

*UG, BS in Computer and Info. Sci and Mathematics Candidate, Expected graduation, May 2020*

**CERTIFICATIONS**

* **Testout Security Pro** *May 2015 – Present Certificate ID: CVURV*
* **Testout Network Pro** *May 2014 – Present Certificate ID: CFMF*
* **C-TECH Network Cabling Specialist** *May 2014 – Present Registration #: 01-04-C-1406-57604*
* **C-TECH Leviton Certified Installer** *May 2014 – Present Registration #: 01-04-C-1406-57603*

**ADDITIONAL SKILLS**

* Languages: PHP, C#, Python, and Java
* Video game design and development in the Unity3D engine**.**
* 3D modeling, rigging, and animation in Blender.

**AWARDS AND HONORS**

* Placed 2nd in the Technology Student Association's national Video Game Design competition in 2015 against 51 other teams.
* Judged that competition the following year.

**ESSAY RESPONSES**

1. How were you first introduced to Computer Science? How have you continued to develop your technical skills and sought additional exposure to the field?

My first exposure to computer science was developing my first game for a school project in the 9th grade, although I’ve always loved working with computers. I continued learning about programming (specifically using C# in Unity3D) as I worked on more games over the course of high school, building my skillset for game development. In my senior year, I competed in a national game design competition and placed 2nd out of 52 total teams.

Once college rolled around, I had to learn Java to complete assignments for CS classes, and became proficient enough to complete labs without much fuss. Last March, I picked up a couple of web projects with a classmate and learned PHP and other web technologies. At that point, I had never written in a loosely-typed language and had some difficulty adjusting. With that experience under my belt, it’s easier than ever to pick up new languages. For example, I picked up Python a couple of months ago and it’s already one of my strongest languages. I’m always trying to expand the set of tools I have at my disposal.

2. What is your strongest programming language? How much experience do you have using the language? Go into detail about how you used this technical language. If talking about a group project, be specific about your role in the final product. (Examples can include projects, coursework, competitions, websites, previous internships, etc.)

Even though it is my newest language, Python is my strongest for solving smaller problems (i.e. LeetCode). For larger problems and applications, I am most comfortable with Java or C#, even though I’ve written the most code in PHP. Both of my recent large web projects utilized PHP for the backend. In the second, *thechristmascarolers.com*, I was responsible for the entire backend, from the REST API to the database and server setup.

3. At Google, we believe that a diversity of perspectives, ideas, and cultures leads to the creation of better products and services. Tell us about your background and experiences and how they make you unique.

My family was living paycheck to paycheck by in a trailer just a generation ago. Through my mother’s tireless work and endless sacrifice, I was able to have enough educational opportunities to place me on track to become the first person in my family to earn a bachelor’s degree. I have always loved computers, and was lucky enough to have one to myself at age 7. My technical background spans information technology, video game design, computer science, and web development, affording me some extra perspective when tackling a problem.

4. List the technical courses you'll be taking next semester. If you haven't registered for classes yet, please list the courses you plan on taking.

I plan on taking Algorithms and Data Structures, Differential Equations, Linear Algebra 1, and Contemporary Moral Issues.

5. List any clubs and/or organizations that you participate in.

I am the Vice President of UAB’s Kickboxing Club and have the responsibility of co-teaching the club’s weekly class.