TOM O' CONNELL

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EDUCATION

Arizona State University, Data Science, BS   August 2020 – Present
- Majoring in Data Science.   GPA: 3.55 / 4.00
- Pursuing certificates in Applied Cybersecurity, Applied Business Data Analytics and Mathematical Concepts of Engineering.

PROFESSIONAL EXPERIENCE

Intel, Software Developer Intern   Aug 2022 - present
- Worked within the OTF sector of Intel in the development of applications and websites used by Intel employees.
- Using react.js and JavaScript, worked in the front-end development of Intel Confidential websites.
- Created a back end for these websites using C# and SQL to make API calls.
- Worked in a developer team setting using Azure, DBaaS and GitHub to coordinate development.
- Websites created are currently being used throughout North America in the FAB labs to assist with the development of various Intel Products and Services.

Hindman Auctions, Client Service Associate   Apr 2021 – Aug 2022
- Responsible for the development of necessary applications for the OTF team in the production of processors.
- Largely responsible for the arranging consignment with clients for items more the $200,000.
- Communicated with estate lawyers to propose consignment deals for their clients.
- Worked on the 'Machiz' watch estate which had a high estimate of $700,000

Hindman Auctions, IT Analyst   Sep 2021 – May 2022
- Dealing with external companies regarding Hindman's IT services weekly. Worked with Cisco Systems in the implementation of Cisco 'Meraki', a cloud-based application which allows the management of multiple systems, servers and security devices in Hindman
- Continuously creating and debugging a large array of SQL queries. Using these SQL queries our employees can search through our database seamlessly.
- Assigned the role of monitoring Hindman's traffic in both web searches, queries and emails. Using Proofpoint, I can view Hindman's security issues regarding potentially dangerous emails.

Hindman Auctions, IT intern   Apr 2021 – Aug 2021
- Worked as a Software Developer with an external development team in the development of 'Gavelizer', an application solely built for Hindman, an internationally recognized Auction House. The application allowed Hindman employees to successfully clerk auctions, generate invoices, catalogue auctions, and create users for the Hindman front website.
- The application was built in RubyOnRails and using Ruby, I was able to fix bugs and implement features such as User verification methods, tax calculations and many minor features.

PROJECTS & EXPERIENCES

Flight Simulator, Verilog & Digital   December 2021
- Designed the left/right control system for a flight simulator using Digital and Verilog. Using Digital, I designed a circuit where the direction in which the pilot would like to go is translated to binary.
- The pilot is given to buttons which are labeled 'right' and 'left' and would respond as such.
- The starting position translated to binary is '000'. One position to the left is '101' and one position to the right is '001' and so on. My circuit would continuously update the location of the plane and display it to the pilot through a hexadecimal 7 segment display.

Developer Portfolio
- Built a website using Jekyll, Sass and Gulp.js.
- Website serves as a developer portfolio to showcase previous work experience, projects and a full skill list.
- Hosted using GitHub pages.

PROGRAMMING SKILLS & CERTIFICATIONS

Languages: C/C++, JavaScript, Python, R, C#, MIPS.
Database Management: Cisco Meraki, SQL (PostgreSQL, MS SQL)
Tools: Git, RStudio, MATLAB, Digital, QTSpim.
Certificates: Fortinet Network Security Expert Level 1