

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

- Responsible for the development of necessary applications for the OTF team in the production of processors.
- Developed applications with Node.js and React.js.
- Primarily developed apps using typescript and SQL but also worked on projects using C#.
- Worked as part of a team to achieve completion of sprints proposed by managers.
- Helped develop efficient scheduling and managing applications for employees on the factory floor.

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.

IBM, Work Experience Student

November 2017

- Chosen to participate in a week of work experience in IBM's European headquarters in Dublin, Ireland.
- Spent one day in each sector of IBM exploring the different purposes for each one e.g., Artificial Intelligence, Software development, Project management, Employment etc.
- Highlights include learning about 'Watson Health'. Watson Health provides industry-leading data, analytics, and AI solutions to help providers, payers, governments and life science companies modernize operations and get more value from ever-expanding health data

PROGRAMMING SKILLS

Languages: C/C++, Typescript, Java, Python, R, C#, MIPS.

Database Management: Cisco Meraki, SQL (PostgreSQL, MS SQL)

Tools: Git, RStudio, MATLAB, Digital, QTSpim.