Asher Hounsell

University of Toronto

BASc. In Engineering Science

Electrical & Computer Engineering Major

Engineering Business Minor

Contact

Phone

(613) 331-6640

E-mail:

asher.hounsell@mail.utoronto.ca

LinkedIn

linkedin.com/in/asher-hounsell/

Key Skills

Tenacious Work Ethic

Problem Solving

Communication & Interpersonal Skills

Leadership & Teamwork

Languages/Tools/Libraries:
Python, JavaScript, TypeScript, C/C++, React, ARM Assembly, Verilog, MATLAB, SQL, CSS, Ignition, Vena, Azure

Design Experience:
User Experience, big data systems, UI Architecture, SCADA & HMI Tools, Client Relations

Projects:
Multithreaded Server in C, Building Website using React, Balancing Robot in ARM, Pharmaceutical Organization Tool in Python, Building Prototype Fitness tracking app with React.

My passion in life is **learning** and **solving problems**.

As I gain more technical experience, I further believe that my soft skills – being **willing to learn** and having a **tenacious work ethic** – are my most valuable assets.

With these qualities, I always **adapt** to any new situation and learn the necessary skills to follow through with any project until it is rigorously complete.

I look forward to applying my drive to implement **innovative solutions** for important business problems.

Work History

Solutions Software Engineer | Vena   16 Months *(2022/05 – 2023/08)*

- Implemented custom proof of concept software to solve business problems for clients during the sales cycle, helping to win **over $410,000 USD ARR**.
- Built functional & responsive **React applications** to solve business problems, using appropriate code review practices to safely update live production systems.
- Created an O365 Add-In with React as a side project to solve a product gap which I showed to the founder. He then demonstrated this to the **board of directors** to highlight a path of product innovation Vena could explore which was very well received.
- My technical and **problem-solving ability was recognized** by transitioning most of my workload to be **self-instructed innovation** to push the agenda of what is possible in our product.
- Worked **closely with clients** to understand their needs and solve their problems, **building customer trust** to close complex deals.
- Won a **$135k USD ARR deal** by discovering a clever software interaction that solved a previously impossible use case, increasing deal size dramatically.
- Created **configurable optimization algorithms** for common business problems such as resource & product allocation, frequently used for new demoware.
- Became a power user of **JavaScript, React, Python,** HTML, CSS, Vena, Excel, Power BI, Azure, & Power Automate to solve these business problems.

Engineering Intern | Goodyear   4 Months *(2021/05 – 2021/09)*

- Using SCADA software Ignition, with **SQL** & **python backend**, I helped lead the **digitization** of the most technologically advanced tire manufacturing plant in Goodyear.
- This **Google-Maps-like** application displayed information from every machine and IT service in the plant, allowing engineers/directors to monitor **traceable real-time** and **historical data** to maximize **manufacturing efficiency** throughout the plant.

Accomplishments

- For **DECA**, a business, leadership, and entrepreneurship club I achieved **international qualifier** in 2017, and **international champion** in 2018 and 2019.
- For **HOSA**, a medical science club, for which I was the founder of my local chapter, I was named 2019 **national champion,** qualifying internationally.