

DESMOND GILMOUR

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SUMMARY

Software developer working at the intersection of computer science and chemistry.

EDUCATION

University of Guelph

Bachelor of Computer Science *GPA: 3.6*

Bachelor of Chemistry *GPA: 3.6*

Guelph, ON

September 2016 - December 2021

September 2016 - December 2021

SKILLS

Languages: Python, Javascript, Typescript Java, HTML, CSS, C, SQL
Frameworks/Tools: React, Node.js, Express, Material-UI, Django, Git, Maven, Linux, PyTorch

EXPERIENCE

Patsnap

Sales Development Representative

WFH

December 2021 - Present

- Used cold outreach techniques to generate the highest amount of leads in Q3 (23) and the third highest revenue in Q2 (\$54,000) and Q3 (\$57,000).
- Successfully onboarded three new team members, two exceeding their sales target.
- Perfected communication skills through over 25,000 cold calls.

University of Guelph

NSERC Funded Research Assistant

Guelph, ON

May 2019 - September 2019

- Synthesized a protected disaccharide acceptor (Lewis Y) ready for glycosylation to a trisaccharide.
- Characterized all compounds in the synthetic scheme using 1D NMR, 2D NMR, Mass Spectrometry, and IR Spectroscopy.
- Presented my synthetic scheme at the CEPS undergraduate poster session of approximately 30 undergraduate students.

Teaching Assistant

January 2019 - September 2019

- Taught first-year chemistry W20 and was the only undergraduate to teach second-year organic chemistry S20.
- Managed the education of 60+ students per semester in person and through zoom lessons.
- Taught students ChemDraw to communicate remotely and Gaussian to teach organic chemistry concepts throughout the lockdown.
- Received a TA rating of 4.8/5.0.

Residence Assistant

September 2018 - April 2019

- Ensured the safety of 300+ Students.
- De-escalated dangerous situations and navigated disagreements between students.
- Helped build an inclusive environment for all first-year students in South residence.

PROJECTS

Vintage Academy *HTML, CSS, Shopify*

- Co-built a brand using Shopify that grossed approximately \$2000/month.
- Manipulated frontend using UI/UX principles to streamline the buying process.

Bioactivity Prediction App for the target Protein-arginine deiminase type-4 (PADI4) *Numpy, Pandas, RDKit, StreamLit, Lazy Predict, SKLearn*

- Produced an app that can predict the bioactivity of molecules inputted in SMILES format for the target PADI4.
- Model was trained using PubChem molecular fingerprints for data obtained from ChEMBL Database

House Party *Django, React, HTML, CSS*

- Built a room-sharing website for multiple users to share what music they are currently listening to.
- Integrated the Spotify API and Axios to fetch API endpoints
- Utilized Material-UI for better user experience.

AlphaToe C

- Developed an unbeatable tic tac toe game that used a pseudo artificial intelligence and ran in the terminal.
- A hashmap is used for possible moves, and each position is ranked to know which move to make next.