

ISAAC MACPHERSON JAYNES

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204-767 W 70th Ave, Vancouver, BC V6P2X2

INTERMEDIATE SOFTWARE ENGINEER

PROFESSIONAL EXPERIENCE

Thales CPL (previously known as Imperva), Vancouver, BC, Canada **May 2023 - Present**

Intermediate Software Engineer

- Maintained and updated various iterations of in-house data visualization software suite based on Kibana and MongoDB, used by thousands of enterprise partners to visualize their app/data security and threat protection
- Translated outdated Angular code to more modern React
- Worked in and Agile environment with a small team remotely
- Participated in robust regression testing
- Gained a deeper understanding of working with CentOS and EC2 remote machines

AllMediaDesk, Austin, Texas, USA

June 2021 - May 2023

Jr. Software Developer

- Full stack development of enterprise software designed to manage advertising campaigns of third parties
- Front and backend bug fixing based on ticketing system
- Worked remotely and independently, as the first software developer hired to work in the USA, then remotely during studies in Vancouver
- Improved skills in JS, Node, HTML/CSS, TypeScript

Merck KGaA, Darmstadt, Hesse, Germany

November 2020 - April 2021

Cheminformatics Working Student

- Developed validation pipeline for "image2structure" (later named "Lewis"), a machine learning solution for reading chemical structures from images
- Developed refined annotation tool for creating ground truth datasets for use in training
- Worked in Agile development environment with colleagues to meet predefined timely goals

Tis The Season LLC, Boise, Idaho, USA

January 2019 - November 2019

Chief Technology Officer

- Oversaw the development of software and hardware solutions for a startup company
- Developed Android & iOS app as well as supporting backend software to streamline booking of housework services
- Helped the company win 2nd place in an entrepreneurship competition with a prize of \$7k
- Competed with similar services like TaskRabbit

Mersive, Denver, Colorado, USA

June 2018 - July 2018

Jr. Software Developer Intern

- Worked in a team of designers to create a user-friendly Android app to integrate into Mersive's existing ecosystem
- Iterative design used to create an aesthetically pleasing, functioning app
- Ensured that bug reports were remedied, and all issues were handled in a timely manner
- Wrote clean, clear, and well-tested code
- Completed job faster than anticipated

EDUCATION

University of British Columbia, Vancouver, BC, Canada

BSs in Mathematics

- Relevant coursework includes many CS courses in graphics, AI, low- and high-level programming, as well as various Psychology, Linguistics and Cognitive System courses

Boise State University, Boise, Idaho, USA

BSc in Computer Science

- Completed first year of Bachelor's degree before transferring to UBC with 3.86 GPA

Landrat Gruber Schule, Dieburg, Hesse, Germany

Abitur (High School Equivalent Diploma)

- Specialized in Electrical and Computer Engineering
- Graduated one of the top in class in a school taught in a language I had only learned a few year prior

SKILLS

- JavaScript, TypeScript, Java, Python, C, C++, , Assembly
- PHP, MySQL, NoSQL, SQL, MongoDB, AWS
- Node.js, React, Angular, Chart.js, jQuery, CSS, HTML
- HTTP/HTTPS, Rest APIs
- Git, Agile, DevOps
- System Design
- OpenGL, GLSL
- Full-Stack software development and algorithm design
- Ionic & React Native app development
- A.I. & Machine Learning Theories

LANGUAGES

- English (Native)
- German (Fluent)
- Russian (Beginner)
- Spanish (Beginner)

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- LinkedIn - <https://www.linkedin.com/in/isaac-m-jaynes/>
 - Personal - <https://www.ijaynes.com/>

References are available on request.