

# Paul Hui

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Passionate about developing impactful, data-driven technology. Building a career in software engineering.

## EDUCATION

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### University of Calgary

Calgary, AB

*B.S. in Computer Science (Software Engineering Concentration) | Internship Program*

*Exp. Jan. 2025*

- Coursework: Data Structures & Algorithms, Assembly, Functional Programming, Object Oriented Programming, Security & Privacy, Operating systems, Networks, Web-Based Systems, and Project Management

## TECHNICAL & PERSONAL SKILLS

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- Python, Java, C/C++, JavaScript, HTML, CSS, Assembly, Haskell, PHP, jQuery, ReactJS, NodeJS, ExpressJS, MongoDB, Amazon Web Services, Microsoft Azure, Git, GitHub, Docker, Ubuntu, Visual Studio Code, PyCharm, WebStorm, Figma, Adobe Illustrator, and Jira.
- Effective Communicator: Collaborates seamlessly with teams, clients, and stakeholders.
- Organizational Proficiency: Efficiently manages tasks and maintains attention to detail with a first-time right attitude.
- Enthusiastic Drive: Approaches tasks with inherent enthusiasm, self-motivation, and a growth mindset.

## PROFESSIONAL EXPERIENCE

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### Nanalysis Corp.

Calgary, Canada

*UX/UI Designer (Marketing Team)*

*Sep. 2023 – Current*

- Leading the transformation of an essential company product's UI/UX by conducting comprehensive customer research, creating use cases, and crafting user stories that prioritize an intuitive and user-centric design.
- Utilizing Figma to facilitate iterative design processes and seamless collaboration with stakeholders throughout development.
- Implementing data-driven design decisions and conducting rigorous usability testing, resulting in a substantial reduction in user errors and a significant enhancement of overall product efficiency.

*Software Developer Intern (Product Development Team)*

*May 2023 – Aug. 2023*

- Co-developed an automated solution for the company's flagship product, customized to meet specific customer requirements, resulting in annual re-occurring revenue growth of over 10k+.
- Streamlined manufacturing quality assurance and quality control tasks through automation, significantly reducing manufacturing time by up to 60%.
- Refactored key code segments within a core company product, boosting efficiency by over 20% and expediting task completion, while maintaining safety and integrity.
- Executed comprehensive software testing on more than 5 releases following agile project management principles, ensuring the functionality and performance met high-quality standards, thus contributing to the successful launch of these software products.

*Technical Lead/Applications Scientist (Marketing Team)*

*Oct. 2018 – Apr. 2022*

- Designed, developed, and published 15+ QA/QC methods specifically tailored to energy, materials, and pharmaceutical domains.
- Conceptualized and executed tailored protocols aligning with unique customer requirements, catalyzing informed purchasing decisions. In collaboration with the sales team, facilitated long-term customer satisfaction and generated 200k+ YOY.
- Designed and delivered 25+ technical presentations and training sessions encompassing company offerings and recent advancements. Engaged and informed an audience of 400+ clients and members of the scientific community globally, fostering knowledge dissemination and fostering valuable connections.
- Tested and validated 10+ software releases and 3 product releases through effective cross-functional collaboration across diverse teams. Ensured seamless integration and high-quality outcomes across the development lifecycle.

## PROJECT EXPERIENCE

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### Portfolio Landing Page (AWS Deployment)

- Managed full-cycle deployment of a personal landing page on AWS, including S3 setup, SSL certificate via AWS Certificate Manager, CloudFront Distribution, and DNS configuration. Developed the page using JavaScript, HTML, and CSS for secure, high-performance accessibility.

### Pinder (Tinder Clone – MERN Stack)

- Created a complete dating application using the MERN (MongoDB, Express.js, React, Node.js) stack. Handled deployment and ensured scalability through containerization using Docker.

## EXTRACURRICULAR EXPERIENCE

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### YYC Hacks Hackathon Project (COMEYYSEE)

- Collaborated in a 7-member development team to build an engaging MERN stack-based website, highlighting Calgary's winter tourism and earning praise from judges and attendees.