

# Jonathan Hu

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


## EDUCATION

- Cornell University** **GPA: n/a**
  - Master of Engineering - Computer Science* *Aug 2023 - Dec 2024*
- University of British Columbia** **GPA: 4.0**
  - Bachelor of Commerce - Combined Major in Computer Science and Business* *Sep 2020 - May 2023*
    - Ranked** 5th/908 students in faculty (top 0.5%), first student in program history to graduate in just 3 years
    - Courses:** Machine Learning, AI, OOP in Java, Project Management, Relational Databases, Data Mining, Algorithms and Data Structures, Concurrent Programming, Distributed Computing, Computer Hardware
    - Awards:** Dean's Honour List, Outstanding Student Entrance Scholarship (\$20,000), 2 x Sauder School of Business Scholarship (\$10,000), 2 x Trek Excellence Scholarship (\$4,000), Naomi Grigg Scholarship (\$955)




## SKILLS SUMMARY

- Languages:** Python, Java, Javascript, HTML, CSS, Typescript, C, C++, SQL, R, Racket
- Technologies:** Node.js, React, Spark, Java Spring, Express, MySQL, PostgreSQL, AWS, React Native, Chai, Git
- Soft Skills:** Leadership, Project Management, Writing, Business Presentation, Team Management


## EXPERIENCE

- Amazon**  Vancouver, Canada
  - Software Development Engineer Intern* *Apr 2023 - Present*
    - Engineering and implementing scalable payment infrastructure for Amazon AWS Payments
    - Collaborating with cross-functional teams to develop and enhance AWS payment features
- University of British Columbia**  Vancouver, Canada
  - Lead Teaching Assistant* *Dec 2020 - May 2023*
    - Taught introductory algorithms, software engineering, and computer systems courses in Racket, Java, Typescript, and C
    - Refined lab material and received 100% favorable student rating across 12+ sections
    - Cultivated department's instructional team, training 80+ new teaching assistants per term
- Shenzhen Youpin Cosmetics Tools Co., Ltd.**  Shenzhen, China
  - Software Engineer (Contract Part-Time)* *Jan 2022 - Jul 2022*
    - Negotiated and executed on \$12,000 contract to build and deploy inventory app with Java and MySQL
    - Improved inventory turnover rate by 25% across 7 different product lines and 8 types of raw materials
    - Enhanced inventory accuracy rate by 10% (85% to 95%) and reduced labor hours by 50% (50 to 25 hours) by centralizing inventory management across 4 departments

## PROJECTS

- Job Central - modelled after UBC Co-op dashboard, query engine for recruiters and applicants**  : Created REST endpoints with Spark framework that executed CRUD queries via Oracle JDBC; led team of three to build full-stack query app using PostgreSQL, Java, and React. Integrated filtering by company, location, salary for applicants to effortlessly find their desired positions (Apr '22)
- University Blueprint - course logistics web app, supports course analysis and planning for staff**  : Adopted test-driven agile development methodologies to build full-stack web app over 8 one-week sprints. Maintained datasets locally with Node.js fs; parsed data zip files with JSZip and HTML files with Parse5; developed EBNF syntax that facilitates trend analysis and course planning; managed packages with Yarn. Utilized Mocha and Chai frameworks for testing and achieved 100% test coverage for 250+ tests performed. (Jan '22)
- Pomodoro Study - personal checklist and web timer application**  : Developed GUI application in Java with Swing, added music components using AudioInputStream; incorporated persistent data storage to store incomplete checklist items (May '21)

## EXTRACURRICULAR EXPERIENCE

- Cars and Hoops Foundation**  Vancouver, Canada
  - Vice President of Operations* *Nov 2021 - Present*
    - Amplified fundraising efforts, raised over \$200,000 for Canuck Place Children's Hospice as part of a dedicated team
    - Facilitated strategic sponsorship outreach, forging successful partnerships with multinational companies including Lucid, Ledcor, ASPAC Developments, National Bank of Canada, and others
- Varsity Basketball** Richmond, Canada
  - BC Regional MVP 2020, Richmond City League All-Star 2020* *Sep 2015 - Present*