

**Jack (Haotian) Gong**  
**Year 3, Major in Computer Science**

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<b>EDUCATION</b>	<i>Combined Major in Computer Science &amp; Stats,</i> University of British Columbia, Vancouver, BC GPA 89/100	<i>Expected May 2024</i>
<b>EXPERIENCE</b>	<i>Clinical Data Warehouse Pipeline Developer</i> UBC Digital Health Innovation Lab, Vancouver, BC, Canada <ul style="list-style-type: none"><li>• Work with Professor Gorges to analyze patient dataset, cleanse faulty data, and extract critical attributes with pandas.</li><li>• Study data models and general architecture for the i2b2 data warehouse.</li><li>• Adapt pre-existing SQL codebase to Python with the psycopg2 library, integrate automation, shrink original codebase size by 90%.</li></ul>	<i>May 2021 - September 2021</i>
	<i>DevOps Engineer Intern</i> Philips HealthTech, Vancouver, BC, Canada <ul style="list-style-type: none"><li>• Template and optimize Bamboo CI/CD pipelines with Python and Bash.</li><li>• Create and deploy cleanup and data extraction jobs to Kubernetes cluster.</li><li>• Automate the management and monitoring of cloud infrastructure on Amazon AWS, including creation of Slack chatbot that pushes AWS alerts to Slack channels and provides interactive troubleshooting options.</li></ul>	<i>January 2021 - May 2021</i>
	<i>Teaching Assistant</i> University of British Columbia, Vancouver, BC, Canada <ul style="list-style-type: none"><li>• TA for CPSC 121/ CPSC 213.</li><li>• Mark exams/assignments, hold office hours, and instruct lab sections with 20+ students.</li></ul>	<i>September 2020 - Current</i>
<b>TECHNICAL EXTRA- CURRICULAR ACTIVITIES</b>	<i>UBC AgroBot</i> <ul style="list-style-type: none"><li>• Divise strategy for machine-learning based image recognition of crops and weed with team members, utilizing Tensorflow and the Robot Operating System.</li><li>• Work with depth-sensing camera to transition image detection results into 3D coordinates for the robot's systems.</li></ul>	<i>September 2019 - Current</i>
	<i>Competitive Programming</i> <ul style="list-style-type: none"><li>• Placed 4th in ICPC PacNW Division 2</li><li>• Member of UBC ICPC team (formerly ACM); attend weekly practises to solve algorithmic problems.</li></ul>	<i>September 2019 - Current</i>
<b>ACADEMIC AWARDS</b>	UBC Trek Excellence Scholarship Invitee, Lloyd Auckland Invitational Workshop at UWaterloo	<i>2020, 2021</i> <i>2018</i>
<b>TECHNICAL SKILLS</b>	<b>Programming Languages:</b> C++, Java, Python  <b>Certifications:</b> AWS Certified Solutions Architect – Associate	