

George Xu

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EXPERIENCE

- **Slack** [↗](#) Vancouver, BC
Software Engineering Intern May 2020 - Sept 2020
 - **Developed Slack desktop application features**, including a solution using the observer design pattern to watch for file uploads, downloads and changes
 - **Actively contributed to the widely used Electron open source project** [↗](#), rolling out multiple features to thousands of apps including Slack, Facebook Messenger, Figma, VSCode, and Discord.
 - **Facilitated and participated in discussions at the Electron Maintainer Summit**, collaborating with prominent engineers and speakers from Microsoft, Github and Postman on future project governance, goals and issues.
- **SAP** [↗](#) Vancouver, BC
Agile Developer Intern Sept 2019 - Apr 2020
 - **Improved rendering time and heap usage by 50%** by assisting in refactoring Analytics Cloud's 'Waterfall Chart' feature from JavaScript to TypeScript— **implemented lazy-loading, React/Redux, typing and 100% Jest test coverage**
 - Implemented and designed architecture to allow for users to add multiple hyperlinks within both titles and within data-points of data visualization charts.
 - Efficiently diagnosed and fixed bugs, **closing over 80 front-end and backend bug tickets** throughout the 8-month term
- **Royal Bank of Canada** [↗](#) Toronto, ON
Software Developer Intern May 2019 - Sept 2019
 - **Won an internal hackathon** by creating a virtual machine diagnostics bot that automated the server outage repair process so that branch managers can self-diagnose problems through Slack
 - Developed an internal tool that masked and anonymized client account data for testing purposes, shortening the time it took to acquire test data from **3 weeks to <1 minute**
 - **Optimized code by 88%**, by implementing promises and thread concurrency limitations, cutting down run-time by **30 hours a month**

PROJECTS

- **Electron open source project**
 - API that returns additional installation information about the application that handles a given URI protocol. Implemented natively across multiple platforms [🔗](#)
 - API that returns a preview image of a file given its file path and a maximum thumbnail size. Implemented natively across multiple platforms [🔗](#)
 - Added capabilities to an existing API to factor in Windows Registry startup approval keys when determining whether an application is able to launch on login [🔗](#)

AWARDS AND ACHIEVEMENTS

- **Hackathons**
1st place, *BizHacks2019* || Most Innovative, *RBCxSlack Innovation Challenge*
2nd place, *LumoHacks2018* || 3rd place, *ThinkTech2018* || 3rd place, *BizHacksxRealtor.com2017*

SKILLS

- **Languages:** JavaScript/TypeScript, C++, HTML/CSS, Java
- **Frameworks and Tools:** Electron, NodeJS, Git, Jest/Jasmine, MERN, SAPUI5

EDUCATION

- **University of British Columbia**
Combined Major in Business and Computer Science Anticipated Graduation : 2022