

Gina Hong

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Experience

UBC / Cognitive Systems Teaching Assistant (COGS300)

JAN 2021 – APRIL 2021

- Instruct weekly labs where students explore ideas related to cognitive systems (perceptron, machine learning, etc.) using Unity & C# based labs.
- Collaborate with other teaching assistants in developing and bug fixing the Unity labs (Unity, C#, Git)

Samsung / Data Engineer (4-months contractor; 12-months co-op)

SEPT 2019 – JAN 2021

- Develop, maintain, and monitor data pipelines and data sources that utilized data lake approach. (Airflow, AWS services)
- Enable migration to new data validation method (Python, JSON schema).
- Work with analysts to iteratively develop data sources that pulls and aggregates information from multiple data sources (SQL, Python)

UBC / Computer Science Teaching Assistant (CPSC110 & 304)

SEPT 2017 – JUL 2019

- Guide students through weekly labs where students get hands-on experience on introductory computer science topics (CPSC110)
- Help students with technical issues involving Oracle/MySQL and their tech stack of choice for their final project (CPSC304)
- Weekly mini lectures on database design concepts during tutorials (CPSC304)

Learningbranch Inc. / Research Assistant

MAY 2018 – JAN 2019

- Work with computational linguist in testing features like automated assessment and speech recognition (Python, React.js)

Projects

UBC Sauder Learning Service / Self-directed research

JAN 2021 – APRIL 2021

Completed a self-directed research project titled “Online Lecture Watch Patterns: A 3-Axis Model of Characterizing Students” under UBC Sauder Learning Services. The research calculated several metrics based off student online video watching data using Python (Jupyter Notebook) and Tableau.

DUBHacks / ideaDate

OCT 2019

A platform for developers and designers to pitch and collaborate on ideas that would encourage the collaborative and open-sources spirit of hackathons.

CPSC304 / DBMart: A Simple Marketplace

OCT 2018 – NOV 2018

DBMart is a web app that emulates online buy and sell pages. The app was built w/ Node.js and MySQL.

Education

UBC / BA Cognitive Systems

SEPT 2015 – APR 2021

- Outstanding International Student Award
- 2017W Dean's List

Technical Skills

Languages

Python,
Java,
JavaScript,

Technology:

Git, SQL, Airflow,
AWS (Athena, Redshift),
NoSQL, RESTful APIs,
Node.js, Gatsby.js, React.js

Soft skills

- Research skills developed from writing academic papers and completing competitor analysis.
- Strong design sense and understanding of the processes and iterations involved in development.
- Strong communication skills from working in teams.