# Amon Ge

humfuzz@gmail.com
humfuzz.com

## EXPERIENCE

**Amazon Vancouver**, Software Developer

*2020–2021*

- Launched promotion recommendations (100M-1B products) for new Amazon marketplaces including Brazil, Turkey, Netherlands, and Sweden (1M–10M sellers)
- Enhanced automatic deal creation features (Apache Spark/Scala), singlehandedly generating additional $10M–100M in revenue
- Led the design and development of new service (AWS/Elasticsearch/Kotlin) and UI (TypeScript/React) for managing promotions, for 1–10K users
- Improved machine learning models for promotion demand forecasting and promotion quality prediction on 1B–10B products

*2017–2019*

**UBC mHealth Research Group**, Web Developer, NLP Researcher

- Developed front-end web app (TypeScript/Angular) for analysis of patient-centred health communications to secure $150K in research funding
- Refactored and automated scripts (Python/MATLAB/Perl/Bash) for text mining, topic modeling, and sentiment analysis used in NLP API

*2016–2018*

**UBC Computer Science**, Teaching Assistant

- Planned and led tutorials, office hours, and evaluations for courses, including: *computer graphics, computer vision, algorithms, software engineering*

## EDUCATION

**University of British Columbia**, Vancouver, Canada

*2016–2019*

**M.Sc.** in Computer Science

*2012–2016*

**B.Sc.** in Cognitive Systems: *Computational Intelligence and Design*

## LEADERSHIP & PROJECTS

**Galactic Trendsetters**, Author, Editor, Web Developer

*2020–present*

- wrote, edited, and produced interactive puzzles for MIT Mystery Hunt (2021) and Galactic Puzzle Hunt (2020, 2022) for 3-5K players

*2017–2019*

**University of British Columbia**, UI, NLP Developer

- *OCTVis: Ontology-Based Comparison of Topic Models*; published in VIS 2019
- Designed interactive user interface (D3.js) to compare the quality of topic models
- Implemented novel topic modeling methods (LDA, NMF) with knowledge transfer from domain ontologies

*2018*

**PyeongChang Olympics**, Team Canada Volunteer

- Set up athlete performance centre and curated social media content for Team Canada

*2017–2018*

**UBC CS Grad. Student Society**, Undistinguished Lecture Series Czar

- Prepared puzzlehunts, designed emails, and gave various talks on topics, including: *stenography, poker, geopolitics, text adventures*

*2015–2016*

**UBC A Cappella**, Musical Director

- Arranged songs for singers and led groups to perform at gigs, competitions, and concerts

## SKILLS

Python, Java, Scala, Go, Kotlin
JavaScript (TypeScript, Vue/Angular/React), HTML5
Adobe Suite, Unity/Godot, WebGL/OpenGL, D3

## INTERESTS

Competitive puzzling, interactive storytelling, music, languages