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