ROMAN BELAIRE

Software Engineer

⚲ Brea, California ✉ romanbelaire@gmail.com ➤ romanbelaire.com in /romanbelaire ⌭ /romanbelaire

EDUCATION

Singapore Management University, Singapore

PhD in Computer Science

📅 April 2025

California State University, Fullerton

BS in Computer Science | 3.41 GPA

📅 May 2020

EXPERIENCE

Associate Software Engineer

Toshiba America Business Solutions

📅 May 2021 - August 2021   ⚲ Lake Forest, California

- Developed web application features using C#, Javascript and HTML/CSS, which were deployed to Azure Cloud Services for development, testing, and production.
- Held weekly rotating ownership of nightly test builds.

Software Engineer Intern

Collins Aerospace

📅 Summer 2019   ⚲ Cedar Rapids, Iowa

- Streamlined internal testing and field maintenance of Collins's radio technologies by working with a team of SW Engineers and one intern to develop a platform-independent configuration tool.
- Used Python to develop full-stack graphical system and network interface on multiple threads, with scalability.
- Tested program functionality continuously on network of Raspberry Pi's, emulating actual networking technologies.

Machine Learning Researcher

California State University, Fullerton

📅 January 2019 – June 2019   ⚲ Fullerton, California

- Developed Machine Learning models with Python, Tensorflow/Keras and SciKit-Learn to classify EEG brain signals and predict brain activity patterns with >90% accuracy.
- Led a team of 4 on machine learning for brainwave analysis, using Support Vector Machines, Long-Short Term Memory Neural Networks, and Convolutional Neural Networks.

AI Curriculum Researcher/Developer

Bytes & Bots Labs

📅 September 2018 – May 2019   ⚲ Irvine, California

- Introduced students to AI concepts by creating a new, 5-segment learning module on Artificial Intelligence for mentor program.
- Developed >10 students' critical thinking, programming, and soft skills over 4-5 month periods through mentorship and guided curriculum.

SKILLS

Communication, Presentation, Empathy
C++, Python, Git/SVN, Pandas, Numpy
C#, Keras, Raspberry Pi, SciPy
Tensorflow, openCV, Linux, **R**, NLTK, PyTorch
Mandarin Chinese (Elementary)