

Christian F. Jung

+1-813-391-2067
cfj@christianfung.com
christianfung.com

in /ChristianFJung
/ChristianFJung
/ChristianFJung

Education

University of Virginia

BS Computer Science

Aug. 2018 – May 2022

Charlottesville, VA

Relevant Coursework: Machine Learning, Information Retrieval, Hacking For Defense, Program & Data Representation, Algorithms, and Advanced Software Development

Experience

Novetta

Machine Learning Engineer

Sept. 2020 – Present

Part-time / Remote

- > Utilize state-of-the-art similarity search algorithms to provide critical analysis for predictive maintenance of helicopter engine failures
- > Collaborate with military and DOD customers to help them use the project in the field

May 2020 – Aug. 2020

Remote

Intern @ the Machine Learning Center of Excellence (MLCOE)

- > Developed a new method for text model explainability using generative transformers and Open AI's GPT to improve customer's understanding of black box ML learning models
- > Compiled research from new method into a closed source python package so all 1000+ of Novetta's employees could use my methods
- > Explained and wrote summaries of new NLP research in Novetta's monthly newsletters

HackCville

Data Science Lead Instructor

Jan. 2019 – Present

Charlottesville, VA

- > Teach and develop lesson plans for Node Pro, a 10-week series of 2 hour classes, teaching data science fundamentals in Python, data manipulation and cleaning in pandas, machine learning fundamentals, and an introduction to deep learning
- > Organize lab-sessions for small group instruction and provide catered feedback
- > Introduced 75+ students to data science in the 3 semesters that the class has been taught

Global Inquirer Podcast

Technical Producer

Aug. 2019 – Present

Charlottesville, VA

- > Lead a team of 25 people in the development of weekly episodes that bring together a diverse group of distinguished academics, working professionals, and students to discuss current issues in foreign affairs
- > Record audio in a professional studio and utilize Adobe software to edit and produce 10 episodes each semester

Projects

Machine Learning to Filter Harassment on Twitter

Aug. 2017 - May 2018

- > Created an algorithm that detects harassment by analyzing the sentiment of tweets through emotion based encodings
- > In the process of creating, learned how to comfortably read and digest AI papers and analyze trends in the field
- > Deployed solutions to Google Cloud and AWS

Ranking Terrorism Propaganda on Twitter

Jan. 2020 - May 2020

- > Modified Google's PageRank algorithm to rank tweets that contained propaganda which allow the most influential terrorists online to be identified
- > Proposed a solution for stakeholders to implement in intelligence gathering efforts

Skills

Languages Python, Bash, C++, Java, Dart + Flutter, HTML, C, Swift

Certifications Insider Threat Awareness, Intro to Information Security, OPSEC Awareness, DOD Unauthorized Disclosures

Extracurricular Coursework Fast.ai - Practical Deep Learning for Coders, Stanford CS 223n - Intro to NLP

Fun Facts PADI Scuba Certified, Gordon Ramsey super fan, and amateur chef