

Collin Rijock

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Education

Computer Science, B.A., Florida International University 01/2021 – 05/2023
Florida Bright Futures Academic Scholars Award, 3.5 GPA Miami, FL

Work Experience

ML Researcher, Applied Research Center at FIU 04/2021 – present
Miami, FL

- Researched, read and implemented important machine learning papers.
- Compared machine learning and deep learning algorithms for anomaly detection on Navy NETL sensor data.
- Designed and engineered the data to classification pipeline with Scikit Learn, Pandas and Numpy.

Lead Front End Dev, Spark Dev Microsoft, The Underline Project 02/2021 – 05/2021
Miami, FL

- Created a web app with team for The Underline in Miami.
- Designed and implemented a Vue-based front end application with users, events and interactive maps.
- Managed work distribution among front end team.
- Taught team members front end design and engineering concepts.

Projects

Deep Reinforcement Learning Competitive Game Playing Bot 📄

- AI bot that plays a pokemon battle simulator and achieves human-level performance.
- Deep Q Network trained on hours of unsupervised learning playtime.
- Python bot using Open AI's Gym, Tensorflow 2, Keras API.

OffCampus Startup Web App 📄

- Launched web app for off campus student housing.
- Designed intuitive and modern UI with Adobe XD.
- Vue based web app with users, authentication, creation form and individual pages for listings.
- Initial launch on 8/11/2020 to over 400 unique users through Google Analytics.

Skills

Machine learning

Tensorflow 2, Pytorch, Scikit-Learn, Pandas, Numpy, Deep learning, Jupyter Notebook

Front End Software Development

Vue, Typescript, React, React Native, SCSS

Systems Administrator Experience

Fedora Linux, Bash / shell scripting, Web server hosting

Organizations

Upsilon Pi Epsilon (UPE), SparkDev Co-Lead
01/2021 – Present
Active member of STEM society

Awards

Wolfram Alpha Award,
Shellhacks 2020 Wolfram Alpha
10/2020