

GEORGE LU

Software Engineer

georgelu@knights.ucf.edu

(407)-775-8989

Orlando, Florida

<https://github.com/GeorgeLuDev>

Professional Summary – Software Engineer with experience building full stack applications and languages such as Java, C++, C#. Also well versed in technologies such as SQL, HTML5, CSS, JavaScript, REST, and AWS.

Objective Statement – To obtain a Software Engineering Internship position for summer 2022.

EDUCATION

University of Central Florida

Master of Science in Computer Science

Orlando, FL

August 2021 - December 2022

University of Central Florida

Bachelor of Science in Computer Science

Orlando, FL

August 2018 - August 2021

Cumulative GPA: 3.79 | Major GPA: 4.0 | Dean's List | Cum Laude

TECHNICAL SKILLS

Programming Languages – C, C#, C++, Java, Python

Data Analysis / Artificial Intelligence – TensorFlow/Keras, PyTorch, Scikit-learn, SpaCy, Pandas, Matplotlib, NumPy

Version Control – Git, GitHub, Docker

Methodologies – Object Oriented Programming, Scrum, Agile Software Development, Unit Testing

Front End – HTML, CSS, JavaScript, React

API/Backend – PHP, NodeJS, REST API, JSON, XML

Database Management – MySQL, MongoDB

Middleware – Apache, Nginx

Cloud-Based Technologies – Amazon Web Service

RELEVANT PROJECTS

Definitely not Trello (Trello Clone)

- Lead a team in developing a Trello Clone
- Designed a user friendly UI for the customer using React
- Developed the API using Nodejs for communication between website and database
- Created and Maintained the database using MongoDB
- Deployed on Amazon Web Service using Nginx

Contactager (Contact Manager)

- Lead a team in developing a Contact Manager
- Designed a friendly UI using HTML, CSS, JavaScript
- Developed the API using PHP for communication between website and database
- Created and Maintained the database using MySQL
- Deployed on Amazon Web Services using Apache 2.0

Dexter Intelligent Desktop Application

- Lead a team in developing a desktop application using artificial intelligence to control the desktop
- Implemented a gesture recognition system using Pytorch
- Implemented a voice assistant system using Pytorch

Breast Cancer Detection

- Preprocessed and created visuals to help analyze the dataset using Numpy, Pandas, and Matplotlib.
- Used Machine Learning Algorithms to achieve an F1 Score of 80%

Data Analyzes on Fraudulent Card Transaction

- Preprocessed and created visuals to help analyze a dataset using NumPy, Pandas, and Matplotlib.
- Created machine learning models to train and predict fraudulent card transactions on an unbalanced dataset using Scikit-learn

Twitter HR Reply Bot / Text Generation

- Developed software to use twitter API to collect data on tweets/ replies
- Preprocessed and cleaned data for model
- Built a model using TensorFlow based on RNN
- Generate replies for customers based on Tweet

ORGANIZATIONS

AI@UCF (Member)

- Learned about artificial intelligence and its applications within the different fields of AI.

Orlando, FL

August 2018 – Present