

JULIAN LIOANAG

Information Technology Graduate Student

@ julianlioanag@gmail.com

✉ 243 W End Ave, Green Brook, NJ

🐙 github.com/jlioanag

in linkedin.com/in/jlioanag

EDUCATION

M.S. in Information Technology, Rensselaer Polytechnic Institute

📍 Sep 2022 – May 2023, Troy, New York

- GPA: X.XX/4.00
- Courses:

B.S. in Computer Science, Rensselaer Polytechnic Institute

📍 Sep 2019 – May 2022, Troy, New York

- GPA: 3.49/4.00
- Courses: Data Structures, Software Documentation and Design, Large Scale Programming and Testing, Database Systems.

EXPERIENCE

Software Development TECDP Intern, Cigna, Evernorth

📍 May 2021 – Aug 2021, Philadelphia, Pennsylvania (Remote)

- Migrated JBoss EAP SOAP API services to REST API with Go to modernize system integration processes.
- Created an API to send data to a local SQLite database for a proof-of-concept in Go.
- Developed HbA1c and diabetes tracking web-app in Angular to motivate communication between doctors and customers.
- Integrated Rasa machine learning model chatbot and Angular frontend to improve user experience.
- Containerized project with Docker to increase development efficiency and portability.

Fullstack Developer, Smartrider, Rensselaer Center for Open Source

📍 Jan 2020 – Present, Troy, New York

- Co-founded an Android and iOS transportation app to give RPI students a universal campus transport resource.
- Designed architecture for bus and rideshare models using Business-Logic Components (BLoC) design pattern.
- Created REST APIs and Firebase cloud functions that update bus and routing information.
- Built prototype UI for shuttle and bus scheduling panels using Flutter widgets.
- Developed Firebase cloud functions for a ridesharing order-and-queue system using Hypertrack SDK and TypeScript.
- Taught Flutter development and Git workflow etiquette to 5+ new members.
- Held weekly subteam meetings to discuss progress and resolve blockers.

Natural Language Processing Researcher, RPI Undergraduate Research Program

📍 Jan 2020 – Dec 2021, Troy, New York

- Published an academic paper on state-of-the-art Data to Text Generation to the Italian Journal of Computational Linguistics.
- Prepared and formatted datasets for training with BART, a language processing neural network.
- Developed post-processing Python scripts to fact-check and correct information in generated text.
- Performed 500+ subjective evaluations on generated text using Amazon Mechanical Turk.

PROJECTS

Frontend Developer, FakeBlock

📍 Jan 2021 – May 2021, Troy, New York

- Developed a deepfake detection browser-extension with TypeScript and Tensorflow to combat the spread of fake news outlets.
- Designed a responsive UI with React and material-ui for an analytics and machine learning details page.
- Utilized Agile practices by creating user stories, use cases, and participating in weekly Scrum ceremonies.

LANGUAGES AND FRAMEWORKS

- Languages: TypeScript, JavaScript, Python, C/C++, Dart, Go, Java
- Frameworks: Google Firebase and Firestore, Angular, React, Flutter, OpenCV, Tkinter