**ERIC ZHOU**

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**EDUCATION**

**Bachelors in computer science, Minor in Business Administration Dec 2024 (Expected)**

University of Florida; GPA: 3.86 / 4.00 Gainesville, Florida, USA

Affiliations: Open-Source Club, UF Student Infosec Team, CRU, ACM

**SKILLS**

**Languages**: Python, C++, Java, JavaScript, TypeScript, Linux, Go

**Frameworks**: Node JS, React, Angular, Flask, Django

**Tools:** Docker, AWS, Vercel, GIT, Bash, Tailwind CSS

**Databases**: MySQL, PostgreSQL, MongoDB, Firebase, Apache Solr

**PROFESSIONAL EXPERIENCE**

**software engineer intern May 2023 – Aug 2023**

Insilicom LLC Tallahassee, Florida

* Lead migration of biomedical search engine from Django templates to React, migrating **60%** of the app as well as touching up the UI with modern MUI components
* Made machine learning contributions to Biocreative III, experimenting with improving named-entity recognition (NER) by using OpenAI fine-tuning and Bert Large Language Models
* Developed professional user-guide webpage to demonstrate usage of the Biomedical Knowledge Discovery Engine

**software engineer intern Aug 2020 – July 2022**

Insilicom LLC Tallahassee, Florida

* Scraped and processed **20** years of US patent files using python scripts to extract relevant information for advanced search engine indexing
* Implemented **automated weekly** patent processing, providing updated search engine data saving **2 hours** a week
* Directed upwards **200,000** API queries to analyze quality of BioKDE and Semantic Scholar search engine results to determine relevancy for company data modeling and products

**PROJECTS**

* Customer Loyalty App – Launched and co-founded customer rewards app with team of 3, targeting small businesses to slash monthly costs by **$300** and save **2 minutes** per user interaction
* LinkedIn Clone – Developed a LinkedIn inspired web application on a team of 4 using **knowledge graphs** to display relations between users and supporting **chat messaging**. **Tech Stack**: Angular, Golang, MongoDB
* Covid Alert – Collaborated as a developer with a team of 4 to develop an app for anonymously alerting friends and family of Covid-19 exposure (<https://devpost.com/software/covalert-gk3aiy>). **Tech Stack**: React, Flask, Twilio
* AI Dating App – Built dating app that leverages **open AI** to optimize user match-making experience based on personality, hobbies, and lifestyle. **Tech Stack**: Svelte, Golang, MongoDB, Docker
* Suggestion App – Developed an app for recommending video game titles to users based on submitted preferences. Implemented industry standard algorithms to process results **90% faster**. **Tech Stack**: Flask, React

**HONORS AND AWARDS**

* VandyHacks X **Asurion Prize** & best **Google Cloud** implementation among 133 hackers **Oct 2023**
* Herbert Wertheim College of Engineering **Dean’s List** **May 2022**
* Florida State Music Teachers Association **Performance Achievement** Level 12 **Apr 2021**
* FHSAA **Scholar Athlete Award** **May 2021**
* **National AP Scholar Award** **Jul 2020**

**EXTRA-CURRICULAR**

* Collaborated in **SwampHacks** 2022/2023 held at UF **Jan 2022 – Jan 2022**
* Software Engineering **Tech Lead** at UF Open-Source club **Mar 2023 - Present**
* Seat 4 **varsity tennis athlete** at Lawton Chiles High School **Jan 2017 – May 2021**