DARREN CHEN

Gainesville, Florida

📞 813-476-5292 ✉ DarrenChenCS@gmail.com 🔗 linkedin.com/in/darrenchencs ⭕ github.com/DarrenChen2025

Education

University of Florida   Jun. 2021 – Dec. 2025
Bachelor of Science in Computer Science, Certificate in AI Fundamentals **GPA: 3.55**   *Gainesville, FL*

Relevant Coursework

- Data Structures and Algorithms
- Programming 1/2
- Programming Data in R
- Computer Organization
- AI Fundamentals
- Intro To Software Eng.
- Programming Language

Projects

HR Dashboard Project (Link) | *Tableau*   Jul. 2024 - Aug. 2024
- Developed an HR dashboard using Tableau with data from **8,950** employees, generated via Python's Faker library.
- Designed over **10+** interactive charts showing employee trends over time, departmental breakdowns, and performance metrics.
- Created calculated fields to track employee status (hired, active, terminated), resulting in dynamic insights for HR managers.
- Utilized data filtering and aggregation techniques to identify **key performance indicators (KPIs)**, such as retention rates and performance improvements, and present actionable insights.

Devsearch (Link) | *Python, Django, S3, Heroku*   Nov. 2023 - Dec. 2023
- Developed a full-stack web application using the **Django** framework, featuring user authentication, profile management, and dynamic content rendering.
- Integrated **AWS** services, including **S3** for file storage and **RDS** for database management, to efficiently handle **5GB** worth of user-uploaded files and store critical data such as profiles and projects.
- Designed and implemented a **REST API** to facilitate data sharing and enhance the application's interactivity and accessibility.
- Managed cloud-based deployment on **Heroku**, ensuring seamless application performance and availability.

Job Hunter | *Python, BeautifulSoup, MySQL*   Nov. 2023 - Nov. 2023
- Utilized **BeautifulSoup** to effectively extract **100+** job listings data including company names, required skills, publication dates, and application links.
- Implemented a system to parse and sanitize information from multiple web pages, ensuring high accuracy and relevance of the job data retrieved.
- Designed and maintained a **MySQL database** schema to store the scraped data, enabling efficient data management and retrieval.

Book Web Scraper | *Python, Scrapy, ScrapeOps API*   Sep. 2023 – Oct. 2023
- Implemented the **Scrapy** framework to traverse **50** webpages, locate book information, and extract data efficiently
- Designed and integrated a custom header generator to mimic user requests, preventing website from blocking the scraper
- Incorporated **ScopeOps Proxy API** to generate proxies, ensuring the local machine's IP address remained unblocked
- Successfully retrieved data for **1000** books with a **95%** accuracy rate and automatically generated a JSON file to store the data

Technical Skills

Programming Languages: JavaScript, Java, C++, Python, R, SQL
Developer Tools: VS Code, CLion, Replit, IntelliJ IDEA, Slack, Heroku
Technologies/Frameworks: Git, GitHub, JUnit, Scrapy, PostrgreSQL, Django, Tableau, Excel, Microsoft Suite
Languages Spoken: English (Native), Mandarin (Intermediate)

Leadership / Extracurricular

SASE   Aug. 2021 – Present
SASE Intern
- Collaborated with fellow interns within committees to develop ideas for future club body meetings.
- Assisted in the coordination of club functions to ensure the seamless execution of planned activities.
- Orchestrated **20+** volunteer initiatives on behalf of the organization.

SASE Mentor
- Facilitated a series of engaging social events that helped mentees develop relationships with peers.
- Increased engagement from newer members to participate in general body meetings and workshops.
- Provided guidance and mentorship to mentees, offering valuable insights on navigating academic challenges.