Salford Quays, Manchester
077,3651,1020
yanndeel@gmail.com
Karlie Guan
KarlieKKY

Karlie Guan

JUNIOR SOFTWARE DEVELOPER

HACKATHON

LLM HACKATHON Sep 2023

ONLINE / STREAMLIT

- Github link: coverLit
- Created a personalized cover letter generator powered by GPT4.
- Utilized LangChain for crafting prompt templates and chains.
- Utilized LlamaIndex for document loading, text vectorizing, and indexing.
- Utilized Weaviate for storing embedded text, enabling semantic search for Retrieve Augmented Generation.

TECHNICAL SKILLS

LANGUAGE:	JavaScript, Python, TypeScript
FRONT-END:	React, HTML5, CSS3, CSS Frameworks (Bootstrap, Tailwind CSS, MUI), Next.js
BACK-END:	Express, Flask, Document Object Model, jQuery, PostgreSQL, MySQL, SQLite, MongoDB
TESTING:	Jest, unittest

EXPERIENCE

CFGDEGREE (SOFTWARE ENGINEERING STUDENT) *May 2023 – Sep 2023*

PART-TIME/ CODE FIRST GIRLS

- Award: achieved a Distinction with an overall Grade of 97%
- A 16-week intense coding program with an emphasis on Software Development.
- Technical skills and tools: Python, Flask, MySQL, OOP, the principles of architecture and lifecycle development, Jira, systems troubleshooting, basic algorithms, and data structure.
- Group project Github link: Stray Whiskers
  - Independently researched OpenAI API and integrated it with PyGame in the group project, which introduced more variety to the game contents.
  - Optimized event loop execution for login and OpenAI API calls by using the Threading library.
  - Collaborated on our group project by utilizing Jira for documentation, and updating development process records.

SOFTWARE DEVELOPMENT STUDENT *Mar 2023 – Jun 2023*

FULL-TIME/ NORTHCODERS

- An immersive full-time bootcamp focused on full-stack web development following industrial standards.
- Technical skills and tools: JavaScript, React, Git, Jest, Supertest, wireframe design, PostgreSQL, HTML, CSS, Express, Node.js, Axios, Trello Board, and many more.
- Github link: Karlie House (Back-end)
  - Built RESTful APIs to manage search, post, update, and delete requests using PostgreSQL database.
  - Performed a QA automation suite of 56 test cases with Jest for feature validation.
  - Challenges included creating precise error handling, and database seeding with PostgreSQL.
- Github link: Karlie Games (Front-end)
  - Designed and created 5 reusable functions for user interface rendering and data response.
  - Implemented a validation form and a tappable rating system.
  - Applied MUI library on front-end user interface and created customized design components for a delightful user experience.
  - Challenges included security and creating a good UX experience.

- Group project Github link: Twodemy E-Learning Website
  - Developed a highly interactive navigation bar, and conditionally rendered it based on different React states.
  - Applied bcrypt library on the back-end, increased security by storing hashed passwords in the database.

WEB DEVELOPMENT KICKSTARTER COURSE *Feb 2023 – Mar 2023*

PART-TIME/ CODE FIRST GIRLS

- Award: earned a Highly Commended Candidate certificate
- Group project Github link: 87Plates
  - Collaborated with a team on a group project, and built a responsive front-end web application.
  - Learned and used technologies such as HTML, CSS, Bootstrap, and UX/UI design.
  - Independently researched MongoDB database and Mongoose Schemas, deployed them on MongoDB Atlas, and hosted the back-end on PaaS.

CAREER BREAK *Jul 2020 – FEB 2023*

- Launched a creative endeavor as a Minecraft Builder YouTuber, pivoting into digital artistry, mastering Live2D, and successfully introducing a self-designed and rigged VTuber to the channel, thereby demonstrating adaptability and a proactive approach to self-guided learning.
- Ventured into character design, gaining expertise in human anatomy and dynamic gesture, experiencing a pivotal moment of self-discovery in the intersection of creative design and logic, fueling a newfound passion for coding.
- Leveraged online resources for comprehensive self-study in coding, continuously enhancing logical and analytical skills, and is now eager to translate this passion into a professional role in the industry, exemplifying resilience, perseverance, and a commitment to lifelong learning.

EXECUTIVE ASSISTANT *Sep 2019 – Jul 2020*

PART-TIME/ RSEFHK MARIA COLLEGE, HONG KONG

- Demonstrated financial stewardship by administering executive and senior management expense reports, ensuring precision and strict adherence to company policies, further illustrating commitment to fiscal responsibility.
- Coordinated event logistics, including scheduling and vendor liaisons for conferences and meetings, and assisted with screening and prioritizing calls and emails, showcasing good organizational skills and judgment.

EDUCATION

JINAN UNIVERSITY, CHINA *Aug 2014 – Aug 2019*

- Business Administration and Management

CERTIFICATIONS

- Certificate of Completion, Northcoders Software Engineering Bootcamp *JUN 2023*
- Web Development Kickstarter (Highly Commended Candidate), Code First Girls *MAR 2023*
- JavaScript Algorithms and Data Structures, freeCodeCamp *MAR 2023*
- Scientific Computing with Python, freeCodeCamp *MAR 2023*
- Next Generation Tech Booster Scholarship, Udacity *FEB 2023*
- Crash Course on Python, Google *NOV 2022*
- Google Data Analytics Professional Certificate, Google *NOV 2022*