Oktarian Tilney-Bassett

Website | GitHub | LinkedIn

EDUCATION

The Hong Kong University of Science and Technology   Sep 2019 – May 2023 | Hong Kong
Bachelor of Engineering in Computer Science
- On track for First-Class Honors (CGA: 3.68/4.3)
- Exchange Semester at the University of Southern California (Spring 2022 - GPA: 4.0/4.0)
- Relevant Coursework: Algorithms and Data Structures, OOP, Software Engineering, Databases

SKILLS

Languages	**Technologies**	**General**
Go, JavaScript, C++, C#, Python, SQL	*AWS, Docker, Grafana, gRPC, OpenAPI*	*REST APIs, SQL/NoSQL Databases*

EXPERIENCE

Amazon   Nov 2022 – Feb 2023 | London, UK
Incoming Software Development Engineer Intern

Improbable   May 2022 – Oct 2022 | London, UK
Software Engineer Intern - Game Server Orchestration Team
- Built new internal capabilities to improve operations and decrease costs by leading the migration from cluster to region-based allocations and providing visibility into our observability spending and usage
- Streamlined the customer experience by designing and implementing new features such as the ability to disable computing resource allocations and a CLI-based mock API server that enables customers to test their games locally
- Created and documented a demo game that integrates our multiplayer services to help customers onboard effectively

Gearset   Jun 2021 – Aug 2021 | Cambridge, UK
Software Engineer Intern - Deployment Pipelines Team
- Expanded the deployment pipeline offering by adding support for Bitbucket
- Developed a new multi-step wizard to guide customers through the creation of deployment jobs
- Created an internal dashboard to display business-critical metrics for monitoring pipelines activity and usage

University Campus Map   Oct 2020 – May 2021 | Hong Kong
Software Engineer Intern (Part-Time)
- Re-designed the mobile website user interface and integrated new pathfinding and localization features, helping thousands of students find their classes more easily

PROJECTS

Stock Trading Simulator
Go, JavaScript, ReactJS, PostgreSQL, Docker, AWS, GitHub Actions
- Built a full-stack application that allows users to simulate trading on the stock market
- Implemented a RESTful API backend, a dynamic dashboard frontend, user authentication, and database management
- Created a CI/CD pipeline to automatically deploy the application to AWS

Serverless Chat Application
JavaScript, ReactJS, AWS
- Created a chat application to exchange messages in real-time using a serverless architecture deployed on AWS

Flight Simulator
C#, Unity Engine
- Developed a multi-threaded chunk-based procedural world generator game that can be explored by plane