

# Oktarian Tilney-Bassett

Website | GitHub | LinkedIn

## EDUCATION

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### 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

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### Languages

Go, JavaScript, C++, C#, Python, SQL

### Technologies

ReactJS, Git, Docker, AWS, Grafana

### General

REST APIs, SQL/NoSQL Databases

## EXPERIENCE

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### Amazon

Nov 2022 – Feb 2023 | London, UK

*Incoming Software Development Engineer Intern*

### Improbable

May 2022 – Oct 2022 | London, UK

*Software Engineer Intern - Multiplayer Services*

- Streamlined the customer experience by implementing solutions to recurring customer problems and requests
- Led the design and implementation of new features including the ability to disable computing resource allocations and a CLI-based mock API server that enables customers to test their games locally to speed up development
- Led efforts to track and control metrics and log cost and usage by providing visibility into our observability spending
- 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

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### 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