

# 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)

## SKILLS

### Languages

Go, JavaScript, Java, C#, Python, SQL

### Technologies

AWS, Docker, Grafana, Prometheus, Kubernetes, gRPC, OpenAPI

### General

REST APIs, SQL/NoSQL Databases

## EXPERIENCE

### Palantir

Aug 2023 | London, UK

*Incoming Software Engineer*

### Amazon

Nov 2022 – Feb 2023 | London, UK

*Software Engineer Intern - Catalog Orchestration Platform Team*

- Created an internal centralized configuration platform for a critical component of the catalog pipeline, enabling downstream users to view and edit their configuration without intervention from operators
- Reduced the likelihood of new incidents happening due to configuration errors and miscommunication, increased ownership of the configuration by the associated teams, and decreased operating burden
- Implemented strong security mechanisms including authentication, granular role-based access control, two-person review consensus, and clear audit history of changes

### Improbable

May 2022 – Oct 2022 | London, UK

*Software Engineer Intern - Game Server Orchestration Team*

- Led the migration from cluster-specific to region-based game servers to improve operations and enable zero-downtime cluster migrations without requiring any customer action
- 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 different 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