

# THEO GREGORY

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## EDUCATION

### UNIVERSITY OF BIRMINGHAM

MSci Computer Science | First Class Honours, 78% overall  
Final year modules: Neural Computation, Machine Learning, Cryptography, Secure Programming, Teaching in Schools

### TONBRIDGE GRAMMAR SCHOOL

International Baccalaureate | 40/45  
HL: Computer Science 7, Economics 6, Mathematics 5  
SL: Spanish 7, English Literature 7, Film 7

## CREATIVE

Acting 8, Singing 8, Trombone 6, Piano 5

## ACCREDITATIONS

### UNDERGRADUATE OF THE YEAR 2017

Finalist for the Computer Science, IT and Physics Award in the TARGETjobs Undergraduate of the Year Awards 2017

### ALEXA STUDENT DEVELOPER DIPLOMA

Awarded for completing the 2017 Alexa Student Summer Promotion

## INTERESTS

Combined with a love for tech, I am a keen back-country skier and an avid fan of all things film and theatre. I've a passion for cooking and eating well, and also enjoy bouldering when I can find the time.

## REFEREES

References available on request

## EXPERIENCE

### FREETRADE | Software Engineer | JUL 2019+

#### TypeScript, GCP, ES, Firebase, Python, SQL, Circle

- Owned the design and integration with a mission-critical trading partner API, using SQS within GCP to deliver performant order updates.
- Owned the design and platform-side development of our Terms & Conditions user agreements.
- Key role in supporting limit orders within Invest, our internal trading platform.
- Owned the migration of Invest from Firebase to GCP using Terraform, Rollup and Lerna.
- Improved our CI/CD pipelines to meet the demands of a growing team on a serverless platform.
- Weekly on-call rotation, routinely debugging unseen areas of the codebase, maintaining open communication with other departments during outages, and crafting SQL queries to fulfill requests.

### NEWVOICEMEDIA | DevOps

#### JUN 2017 - SEP 2017 | Python, AWS

- Wrote monitoring micro-services for their cloud-based call centre solution.
- Oversaw the deployment of Exceptionless, an exception aggregator, into production.
- Ran a one-day workshop on working with AWS.

### GADGET SHOW | Project Leader

#### JUL 2016 - SEP 2016 | Java 8

- Led a team of 25 students in the development of a speed dating chat-bot in Java 8, broadcast on Channel 5. The work was achieved remotely with team members located around the globe.

### HUSH | Dissertation | Kotlin, Python, AWS

- Android app modelled a user's interactional patterns with their notifications to dynamically adjust the modality of interruption for new notifications. Received 80% overall.

### P.R.I.Y.A. | 3rd Year Robotics | Python, AWS, Java

- In a team of 6, designed and developed a robotic guide dog, commandable through Amazon Alexa.
- Owned the integration of all AWS functionality.

### PHASESHIFT | 2nd Year Team Project | Java

- In a team of 5, developed a top-down, online, multiplayer shoot 'em up game. Contributed to all areas of the project, with ownership of the networking.

### AMAZON WAREHOUSE | 1st Year Robotics | Java

- In a team of 7, developed a centralised system to navigate robots in fake warehouse, in a profit-maximising manner. Received 100% overall for the module.