Matthew Jones
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EDUCATION

University of Southern California	Los Angeles, CA
Master of Science in Computer Science – 3.55/4.00	May 2020

University of Exeter	Exeter, UK
Master of Engineering in Electronic Engineering and Computer Science – 2:1	July 2018
Bachelor of Engineering in Electronic Engineering and Computer Science – 2:1	July 2017

SKILLS

Languages: Python, Java, Kotlin, C, C++, JavaScript, Go, PHP
Full Stack: HTML, CSS, Flask, Node.js, Angular, MySQL, MongoDB, DynamoDB, AWS, GCP, Azure
Other: Unix/Linux, Android SDK, Git, Maven, Gradle, JUnit

EXPERIENCE

Amazon	Seattle, WA
Software Development Engineer Intern	May 2019 – August 2019

- Designed, built and deployed AlexaHEAT dashboard using Java, JavaScript and DynamoDB, providing over 300 Amazon employees easy access to real-time tailored datasets for their own projects.
- Implemented backend to fetch and organize data sets from database to be embedded on the webpage using JSP templates, and built frontend for custom tooltips, animations and DOM manipulation.
- Reduced time taken by employees to find and export data for their workflow by 70%.
- Exhibited final dashboard and delivered presentation to over 50 employees in the Alexa Organization.

University of Wales, Trinity Saint David	Swansea, UK
Software Developer Intern	June 2018 – August 2018

- Integrated two programs, Teddy and Bear, into a C++ Qt GUI application called TeddyBear, eliminating the need for intermediate file formats.
- Designed adapter to map the output of Teddy from RAM into the input of Bear for seamless integration, aiding future usage by saving time, money and disk space.
- Developed TeddyBear for research use by CyDen, the second largest light-based hair removal company in the UK, reaching over 400,000 customers annually.
- Conveyed TeddyBear to CyDen's Chief Scientific Officer and University supervisors.

PROJECTS

Research Portal	December 2019

- Co-ordinated with team of 6 others to build new website for USC CSSE, rebuilding old WordPress tech stack into Node.js, connecting USC students, staff and alumni worldwide.

Weenix OS	April 2019

- Programmed core functionality with team of 3 others for custom Operating System written in C, including processes, threads, scheduler, file system and virtual memory.

EZ-ML: SB Hacks V	January 2019

- Developed and deployed SaaS web app made with a team of 3 others, allowing users to create ML models without writing code, using Python, Flask, Bootstrap, GCP Cloud Functions and Twilio API.

EXTRA-CURRICULAR ACTIVITIES

HackSC Volunteer: Mentored students at one of the largest Hackathons in California, with over 800 participants.
UKMT Senior Mathematical Challenge: Achieved 3rd highest score out of more than 100 test-takers.