



Hey,
I'm Jonty

@jontypreston

jontypreston

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Experience

Cisco Systems

Software Engineer / Jul 2019 – Jul 2020

- Deployed and maintained a global network of six high-availability bare-metal Kubernetes clusters
- Developed a stateless authentication and authorization system, improving our services' resilience to data centre outages
- Oversaw code reviews for a cross-functional team in Golang, Python, React (Javascript), and Spring (Java)

Software Engineering Intern / Jun 2018 – Jul 2019

- Junior software architect on *Cisco Iris*: an analytical tool which reduced the time to pull SIP traces from days to minutes
- Developed a proof-of-concept optimised rewrite of Cisco Iris with an ~8x improvement in per-file processing time
- Curated automated tools, monitoring and guidance for compliance to standardised code styles
- Lead technical interviews and supported assessment centres

University of Exeter

Various Roles / Jan 2018 – Apr 2021

- Ran workshops with *Next Steps South West* supporting young people in their journey to Higher Education
- Supported business continuity during the Covid-19 pandemic including mass evacuations, protests, and medical emergencies
- Worked in various roles in both symptomatic and asymptomatic Covid-19 test sites

Education

University of Exeter

MSc. Advanced Computer Science / Oct 2020 - Present

- Elective modules in Machine Learning, Computer Security, and Business Management
- Currently working on a thesis in "Privacy-Protecting Contextual Delegated Authentication"

BSc. Computer Science / Sep 2016 – Jul 2020

- Achieved a first class classification with honours
- Conferred the *Netcraft Award* for academic performance
- Completed a dissertation in "Predicting Temporal Signal Attenuation and Transformation for Active Noise Control"

Skills

