

ISH SHAH

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EXPERIENCE

Ampaire

September 2018 - December 2018

Software Engineering Intern

Los Angeles, CA

- Implemented system to read serial data from flight instruments in real time
- Designed dashboards for monitoring sensor status and instrument data in flight
- Built custom flight instrumentation hardware, integrating GPS, IMU, and Air Data probes
- Integrated DAQ hardware with aircraft auxiliary power systems

CoreOS

May 2018 - September 2018

Software Engineering Intern

San Francisco, CA

- Built Kubernetes operator for the CoreOS dex OpenID Connect provider
- Refactored code generation package to be more modular, increasing developer productivity
- Implemented TravisCI pipeline to build and deploy operators
- Added support in the `operator-sdk` for higher configurability and better debugging of operators

Ocient

January 2018 - May 2018

Software Engineering Intern

Chicago, IL

- Implemented system to mock high performance data center hardware
- Used Intel `spd` to determine NVME drive queue depths and efficiently queue jobs
- Built an integration testing pipeline for complex database operators

Bazaarvoice

May 2017 - August 2017

Software Engineering Intern

Austin, TX

- Worked on service gateway and authentication team
- Designed and implemented user activity logging service using Dropwizard
- Deployed Elasticsearch instance to store and query text records

Coordinated Science Laboratory

February 2017 - December 2017

Undergraduate Researcher, Robotics

Urbana, IL

- Member of Intelligent Robotics Laboratory in the UAV Autopilot group
- Used PX4 to run custom navigation algorithms on drones
- Assembled and debugged low power embedded hardware
- Worked on implementing various parallel computation strategies

EDUCATION

University of Illinois

August 2016 - December 2017

Computer Science

Urbana-Champaign, IL

- Chair of the GNU/Linux User Group. Taught students Linux fundamentals and OS tools
- Organizer for Hacker Experience at HackIllinois and for Speaker Content at Reflections|Projections
- Course Staff for CS196. Gave lectures on introductory computer science material

PROFICIENCIES

Programming Languages

Golang, Python, C/C++, Java, Ruby, Bash

Developer Technologies

Docker, Kubernetes, Git, Elasticsearch, PostgreSQL, Flask, L^AT_EX