

Kevin Crum

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EDUCATION

University of California, Santa Cruz

Decemeber 2018

Bachelor of Science in Computer Science

EMPLOYMENT

Junior Full-Stack Developer

July 2020 – Present

Memoryz

Remote

- In a fully remote setting, I develop and test new features in a with a small start-up team
- Write and update documentation on build systems to speed up future onboarding
- Contribute new ideas / concerns during team meetings
- Happily build our app with React Native, Django, & PostGres

Residential Network Technician

March 2016 – December 2018

University California Santa Cruz

Santa Cruz, CA

- Tech-support for residents on campus. Acted as the liaison between network execs and the clients
- Ran tests on network prior to network overhauls to ensure network would remain healthy once new features were added
- worked within ticket system working closely with my department as well as escalating to other departments
- Published documentation for procedures both inhouse and campus wide
- Troubleshoot networking issues for clients and network technicians
- Repaired clients devices in person / over phone

PROJECTS

Spray Project | *Express, React, Ionic, MongoDB, Node*

November 2019 - April 2020

github.com/kevinbaileycrum/spray_project

- Developed fullstack single page application that extends functionality of a popular site to allow for a adding friends and providing a newsfeed of friends' activity
- Chained series of 3rd party API calls to construct tick object which formed the basis for entries in news feed
- Speed up response time by splitting slow async requests by protected API calls made by backend and public calls by frontend

Distributed Key-Value Store | *Python, Unittest, Docker*

October 2018 – December 2020

- Worked in a team of 3 to build an API for a distributed, fault-tolerant, available, sharded key-value database store
- Used Docker to simulate multiple machines and built unit tests that would take-down/start-up multiple nodes to test our KVS
- Worked on endpoints that involved node-to-node communication such as updating node's list of known machines, forwarding requests for data belonging to another shard, handling vector clocks etc
- Built using python's Tornado framework for assitance in running async requests and used http requests for client to server and server to server communication

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript

Frameworks & Libraries: React, Express, Django

Developer Tools: Git, Docker, Vim, Skilled Googler