Nick Pleatsikas

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LANGUAGES Python, Go, C/C++, Bash

TECHNOLOGIES Git, Ansible, Chef, Terraform, Docker, Flask, Firebase, PostgreSQL, RHEL

EDUCATION

University of California, Riverside, Riverside, California

- B.Sc., in Computer Engineering *Expected Jun 2020*
  - GPA: 3.79

WORK EXPERIENCE

Minds.ai, Santa Cruz, CA

- Infrastructure Engineer/DevOps Jan 2016 – Oct 2019
  - Created software to bridge internal systems that had been disconnected, eliminating several tasks that required manual work by developers, IT, and other internal staff. A couple of examples of this software can be found in the Projects section below.
  - Introduced and standardized provisioning, configuration management, and IaaS tools like Ansible, Chef and Terraform into IT processes.
  - Implemented tools like Ansible and Terraform to simplify maintenance and resource creation. Eliminated the need for administrators to manually make changes across multiple systems using said tools.

Minds.ai, Santa Cruz, CA

- Intern System Administrator Jun 2015 – Aug 2015
  - Deployed initial servers used by developers to developer DL/ML software. Wrote basic management software and assisted in migrating from AWS to internal infrastructure.
  - Implemented communication tools like Slack that improved overall accessibility for our distributed workforce.

Kirby School, Santa Cruz, CA

- IT Intern Jun 2014 – Aug 2014
  - Assisted in design, implementation, and build of completely new network to serve 250 students. Improved overall capacity by a factor of 10. Improved network stability and accessibility.
  - Rolled out first set of Chromebooks following study of student preference and productivity on various models.
  - Assisted in reimaging computers.

PROJECTS

stagelight: Go, Vue, C++, Python

- A proof of concept full stack application tying in both web and embedded systems technologies. Stagelight connects a large number of low-power, low-cost wearable devices to a web control panel with a fully-featured API. Intended to be used events where audience interactivity is desired. This project was written in Vue, Go, Python, and C++ utilizing technologies like Docker, Platform.io, and packet radio communication.

certcommander: Python

- A tool that automates the generation and renewal of SSL certificates using the ACME (Let's Encrypt) service using DNS challenges. Designed to be fully fault-tolerant; it can resume its previous state if it is restarted or crashes. Allows the user to define plugins to work with any DNS provider. Implements a plugin system for responding to internal events.

zoom-drive-connector: Python

- An automation tool designed to automatically copy recorded meetings from Zoom to Google Drive. This software has been running in production for nearly 18 months.

µMega: C

- A state machine based operating systems and kernel with real-time user interaction written for the ATMega 1284 micro-controller. This required the design and implementation of a custom filesystem and console graphics libraries. This project also employs asynchronous message transport between state machines.

RELEVANT COURSE WORK

- **CS100**: Software construction
- **CS111**: Discrete Structures/Math
- **CS141**: Intermediate Data Structures and Algorithms
- **CS164**: Computer Networks
- **CS171**: Machine Learning and Data Mining

AWARDS

- BCOE Dean's List — Sep 2016 – Dec 2017, Apr 2018 – Present
  For achieving a GPA of 3.5 or higher per quarter.
- Kirby School Community Service Award — May 2016
  For 4 years of volunteer IT work to the school.
- Kirby School Technology Award — May 2016
  For dedication toward the fields of technology, specifically computer science.