# Hayden Nix

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## Education

### University of Colorado, Boulder

**Pursuing B.S. in Computer Science — August 2015-May 2019** Department of Engineering

**GPA: 3.808 (Major courses: 4.0)**

## Work Experience

### Software Engineer, F5 Networks

Boulder, CO — **Aug 2018-Present** 40 Hrs/Wk

- Converting from hardware to software of flagship application delivery controller products and adaptation for the increasing public & private cloud market (multi-cloud).
- API definition and implementation (internal and external) for ADC software
- Automated software cluster provisioning, configuration, and testing

### Product Development Intern, F5 Networks

Boulder, CO — **May 2018-Aug 2018** 40 Hrs/Wk

- Internal automation tools (ex. merge request analysis, test environment spin up)
- Develop multi-cloud functionality for application delivery controller product

### Web Developer, Laboratory for Atmospheric and Space Physics

Boulder, CO — **September 2016-May 2018** 40 Hrs/Wk

- Develop web applications to host scientific data from satellites and other instruments
- Maintain and improve development and production infrastructures

## Skills

| PROGRAMMING | TOOLS |
|---|---|
| • Python<br>• Golang<br>• JavaScript (Node.JS & AngularJS)<br>• C++ (and Object Oriented Principles) | • Docker & Kubernetes<br>• AWS, VMWare Cloud<br>• Automation and CI/CD Tools<br>• Software Architecture<br>• Relational & Semantic DBs<br>• Unix Command, Git |

## Projects

- **Principal Architect for NASA/JPL AI Planning Project**
  - CU Capstone working with JPL to develop AI planning algorithm and planning language to develop autonomous spacecraft
- **ClutterSight Big Data Analytics Tool** - https://github.com/haydennix55/ClutterSight
  - Real-time data streaming via Apache Storm (Java) and machine learning (Python) sentiment analysis using a naive bayes and logistic regression approach
- **LASP Interactive Solar Irradiance Data Center (LISIRD)** - lasp.colorado.edu/lisird3/
  - Web application that hosts datasets and creates interactive plots
- **chicken_dinner** - https://github.com/haydennix55/chicken_dinner
  - Simulation and analysis of blackjack basic strategy and counting cards using C++

## Awards

- **Eagle Scout from Troop 870**
- **Ellison Onizuka Science and Technology Scholarship**