Hayden Nix

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Education

University of Colorado, Boulder
Pursuing B.S. in Computer Science — 2015-May 2019 Department of Engineering

GPA: 3.775 (Major courses: 4.0)

Work Experience

Web Developer, Laboratory for Atmospheric and Space Physics
Boulder, CO — **September 2016-Present** 40 Hrs/Wk

- Develop web applications to host scientific data from satellites and other instruments
- Build internal tools for data processing and maintenance
- Maintain and improve development and production infrastructures

Software Engineer Intern, Virtela Technology Services
Denver Technology Center, CO — **May 2016-September 2016** 40 Hrs/Wk

- Worked alongside software and hardware engineers to create useful applications for database management, develop server-side scripts, and work on system architecture.

Skills

PROGRAMMING	TOOLS	OTHER
• C++ • JavaScript • HTML/CSS/SASS • AngularJS • Scala • Python • Perl • SQL • Functional Prog	• Unix Command • Relational DBs • Semantic DBs • Jenkins & CircleCI • Git • IntelliJ • Agile	• Applied Calculus • Algorithms • Human-Centered Design • Cybersecurity • National Leadership Training

Projects

- **LASP Interactive Solar Irradiance Data Center (LISIRD)** - lasp.colorado.edu/lisird3/
  - Web application that hosts datasets and creates interactive plots
- **LASP Extended Metadata Repository (LEMR)** - tinyurl.com/y92hqwg9
  - Semantic database for LASPs expansive data/dataset library
- **LASP Time Series Server (LaTiS)** - lasp.colorado.edu/lisird3/about/latis
  - A software library that implements a mathematical technique for describing and manipulating scientific datasets
  - Diagram: github.com/haydennix55/LISIRD3-Components
- **Maven and MMS 3D Models**

Achievements

- **Eagle Scout**
- **National Youth Leadership Training**
- **Ellison Onizuka Science and Technology Scholarship**
- **Colorado Delegate for Congress of Future Science and Technology Leaders**
- **President's Education Awards Program Recipient**