

PRESTON KELLEY

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EDUCATION

Bachelors of Science in Computer Science

University of Colorado Boulder

Minor in Space

Relevant Courses

Algorithms, Operating Systems, Data Structures, Software Development
Methods and Tools, Computer Systems, Linear Algebra

Expected May 2019

Overall GPA: 4.00/4.00

TECHNICAL STRENGTHS

Languages

Python, C++, C, Bash, SQL, HTML/CSS

Tools & Frameworks

Git, Django, Bootstrap, MySQL

OS

Ubuntu Linux, macOS, Windows 7

EXPERIENCE

National Institute of Standards and Technology

January 2016 - Present

Research Assistant

- Worked with CTL scientists and engineers to develop web content that describes their mission and current research projects
- Implemented all of CTLs new and existing web content using Drupal interface and HTML
- Added features to PSCR lab operation's software tools, such as date picker functionality for multiple fields using JavaScript and HTML
- Redesigned entire UI of PSCR's lab tools using HTML and CSS

PROJECTS

Simple C Server PlusPlus - C++

January 2017

- Allows multiple clients to message server using multiprocessing programming
- Designed using basic Socket and TCP/IP programming for sending messages

Twitter Sentiment Analysis - Python, HTML/CSS

September 2016

<http://pkelley.pythonanywhere.com>

- Designed web app that searches a given term on Twitter via the Twitter API and analyzes the recent sentiment of that term
- Applied Naive Bayes Classifier through the NLTK module in Python
- Implemented Django web framework for a responsive application, with an SQLite database
- Intuitive front-end using Bootstrap

Flip Flops Mobile Game - C#, JavaScript, SQL

August - December 2016

- Developed endless runner in Unity with a MySQL database connected to leaderboard web app
- Designed leader-board web app using JavaScript stack (Node.js, Express.js, AngularJS, MySQL)
- Led team of six in semester long project with frequent releases using Agile methodologies
- Applied Object Oriented Design and best practices to code

INVOLVEMENT AND AWARDS

Computer Forge at CU Member - *Attend software related seminars and collaborate on various software projects with other members*

Engineering Differential Merit Scholarship

Deans List - All semesters

AP Scholar with Distinction