

PRESTON KELLEY

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EDUCATION

University of Colorado Boulder
Bachelors of Science in Computer Science
Minor in Space

Expected May 2019

Overall GPA: 4.00/4.00

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

TECHNICAL STRENGTHS

Languages	Python, C++, C, Bash, SQL, HTML/CSS, MATLAB
Tools & Frameworks	Git, Django, Bootstrap, MySQL
OS	Linux, macOS, Windows 7

EXPERIENCE

National Institute of Standards and Technology
Research Assistant

January 2016 - Present

- Worked with CTL scientists and engineers to develop web content that describes the 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

Twitter Sentiment Analysis - Python, HTML/CSS
<http://pkelley.pythonanywhere.com>

September 2016

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

Flip Flops 9000 - C#, JavaScript, SQL

August - December 2016

- Developed endless runner built in Unity for iOS and Android platforms, with a MySQL database connected to leader-board web application
- Designed leader-board web app using JavaScript stack (Node.js, Express.js, AngularJS, MySQL)
- Led team of six in semester long project with requirements defined by the instructor and frequent releases using Agile methodologies
- Applied Object Oriented Design and best practices to code

EXTRACURRICULAR AND AWARDS

Computer Forge at CU Member
Engineering Differential Merit Scholarship
Deans List - All semesters
AP Scholar with Distinction