

Nicolas Carson

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Education

University of Colorado Boulder, Boulder, CO

BA Computer Science Major, Class of 2017 GPA, 3.486/4.0

Relevant Coursework:

Completed Computer Science 1: Intro to Programming;

Computer Science 2: Data Structures; Computer Systems; Operating Systems; User-Centered Design and Development; Software Development Methods and Tools; Algorithms; Unix System Administration; Technology and the Young; Intro to Virtual Reality
Completed Calculus 1; Calculus 2; Intro to Probability and Statistics; and Intro to Discrete Mathematics.

Honors/Awards:

CU Alumni Association Continuing Student Scholarship Spring 2014,

CU-Boulder dean's list fall 2016, Soccer Leadership Award, Edmund Burke High School, Spring 2011, Video Award for Outstanding Fiction, Edmund Burke, Washington, DC Spring 2011.

Computer Skills:

Python, Java, HTML, C++, PHP, Microsoft Office, Google Docs, other Google Apps, Sony Vegas, Final cut pro.

Extensive experience using and providing support for both Windows and Mac operating systems. Some experience using Tableau.

Projects

Team Member, Project Netflix, University of Colorado Boulder

Sept.-Dec. 2015

Organized the team and laid out objectives for the project using programming tools such as project trackers and version control software so that all team members were aware of the steps needed to be taken in order to complete the project
Worked together as a team, relying on one another's strengths, to develop a website for generating random netflix content
Kept the project on schedule using project tracking software, so that it was completed by the expected date using HTML, PHP and a MySQL database

Team Member, Bufflife Smartphone Application Design Project, University of Colorado Boulder

Sept.-Dec. 2015

Worked in a team of three to go through the phases of planning out a design, gathering user feedback on that prototype design, and then updating our design in order to develop a smartphone application concept and design with a fully functional prototype, which fully met the needs of students on campus, making their lives easier and more efficient by consolidating a variety of features commonly used by college students into one easy to use, convenient phone application.

Team Member, Dreaming Flight Virtual Reality Project, University of Colorado Boulder

Sept.-Dec 2016

Worked as a member of a four person team to develop a virtual reality experience on the HTC Vive system, which attempted to recreate the experience of flying a Chinese dragon kite. The group worked as a team to design and develop our own unique project concept based on our similar interests and goals. We all wanted to recreate the often common experience of flying in dreams so we decided that the user should solely use their head position and direction to control the moment of the dragon kite. The idea to involve a Chinese dragon kite helped give the user perspective in the scene as they were flying. The project was built using the Unity game engine with some models created in Maya. The final project was presented at the Fall 2016 CU Boulder Atlas Expo. <http://nicolascarson.github.io/dreamingflight.pdf>

CO-Author, Norlin Library "Broadcast Generation" Poster Exhibit Curation Project, University of Colorado Boulder

Jan.-April 2016

Worked with one other student, Andrew Violet of Norlin Library and english instructor Petger Schaberg to curate a library art exhibit made up of student designed posters created for one of Petger's introduction level english classes. We attempted to use the themes we identified in the posters to tell a narrative which would go beyond the scope of the exhibit's past iterations and grab the attention of library visitors. This exhibit was meant to help make the library more relevant in an increasingly digital age where books are becoming less important due to the internet. Exhibits like these turn the library into a learning space once again, not just a study location.

Work Experience

Provided computer and electronics support services through neighborhood email listserv, Washington, DC 2010-2016

Employed, food server, Salt & Pepper (restaurant), Washington, DC

June–August 2011, April–August 2012

Languages — English with Spanish Language Studies

2009–2011

Leadership/Clubs/Sports

Member, University of Colorado at Boulder Freestyle Ski Team

2013–2016

Implemented, organized & recruited for Airsoft team, Washington, DC

2008-2010

350-mile bike trip from Pittsburgh to Washington DC

Summer 2010

Track Award, Soccer Varsity Team, Edmund Burke School
Soccer Ref, Stoddert Recreational Soccer League, Washington, DC

Spring 2010, Sept.-Nov. 2011 & 2012
Sept.-Nov. 2008-2010

Volunteer Work

Volunteer at Marvin Gaye Park clean up Washington DC

Spring 2011

Volunteer at local homeless shelter, Washington DC

Spring 2011

Ski Swap, Washington, DC

Nov. 2010 & 2011

Volunteer Computer Support for Palisades Village, asaccoccia@palisadesvillage.org, Washington DC

Summer 2016