

# Andrew Casner | Computer Science Major

University of Colorado Boulder | [a.casner@comcast.net](mailto:a.casner@comcast.net) | 303.905.9370

## Technical Experience

**Programming Experience**—C++, C, Java, Python, Visual Basic, HTML, CSS, JavaScript, PHP, SQL XML, Processing, Arduino, Unit Testing, Git

**Exploration of Artificial Intelligence**— Grandview High School 2013-2014

- Year long "thesis" project exploring the application of Artificial Intelligence within the game Connect 4. Implementation of learning agents, database storage, and Big Data analysis.

**Exploration of Intelligent Quadrotor Flight Systems**— Grandview High School 2014-2015

- Year long group "thesis" project exploring and building an Intelligent Quadrotor Flight System. Responsible for implementation of control systems via Android Application, data packet transfer protocol, A\* pathfinding algorithms, and PID control loops within my team.

**GitHub Profile**— <https://github.com/Andrew-Casner>

## Education

**High School Diploma**— Grandview High School, Aurora, CO 2011-2015

- 4.113 Weighted GPA
- 3.585 Unweighted GPA

**Currently Enrolled**— University of Colorado Boulder, Boulder, CO 2015-Present

- Pursuing B.S. in Computer Science
- Pursuing Business and Economics Minors

## Awards

**AP Scholar with Honors**, College Board July, 2015  
**Excellence in Computer Science**, Grandview High School May, 2015  
**All State Track And Field Athlete**, CHSAA May, 2015

## Leadership Experience

**Eagle Scout Award**— BSA Troop 171, Aurora, CO 2011  
**TSA State Sergeant-At-Arms**— Colorado TSA 2014-2015  
**Hack CU Admin Team**— Hack CU, Boulder, CO 2015-Present

## Work Experience

**Landscaper**— Heather Gardens Association, Aurora, CO Summer 2015  
**Software Engineer Intern**— Raytheon IIS, Aurora, CO Summer 2016