# Jared J. Heidt

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## EDUCATION

- **Clarkson University,** Potsdam, NY – Anticipated Graduation Date: May 2019
- **Bachelor of Science (Honors), Computer Science, Minor in Mathematics**
- **Cumulative GPA:** 4.00 / 4.00

## SKILLS

C++, Java, Haskell, Perl, C#, JavaScript, CSS, HTML5, jQuery, PHP, SQL, MATLAB, JavaFX, Android Studio, Arduino Programming Environment, Linux, Microsoft Visual Studio, Microsoft Windows, Microsoft Office Suite.

## ENGINEERING EXPERIENCE

- **Northrop Grumman Corporation – Software Engineering Intern,** May 2017 – August 2017
  Developed and maintained software using C++, C#, Java, and JavaScript on an airborne radar program. Completed multiple software tickets configured in JIRA on a Scrum development team. Worked on various components of the radar in a large shared code base for several sprints. Designed back-end and front-end features, fixed numerous bugs, created documentation, and conducted code reviews using Code Collaborator. Participated in software integration and field testing for the radar system.
- **Clarkson Sophomore Mini UAV Team**, January 2017 – May 2017
  Created a mini unmanned aerial vehicle to compete at collegiate competitions. Functioned as member of a team of students who designed, built, and programmed a UAV to perform a series of autonomous tasks. Developed a software program which causes the drone to drop a specific payload depending on its area in space.
- **Clarkson ChemE Car SPEED Team**, September 2016 – May 2017
  A member on a team of students who designed a car that runs and stops solely on chemical reactions and performs at national competitions. Member of the programming and circuitry team that constructs the circuitry of the car and use an Arduino to program autonomous tasks within the car.

## RESEARCH EXPERIENCE – Clarkson University

- Conducted research in the field of computer vision under Dr. Jack Koplowitz. Investigated pattern recognition with digitized image boundaries. Created algorithms for subpixel accuracy and recognizing image features.
- Conducted research with Dr. Sean Banerjee on understanding how users and developers evolve in large scale open source problem repositories, from companies such as RedHat, Mozilla, Novell, and Eclipse. Each repository contains over 500,000 reports.

## RELEVANT WORK EXPERIENCE

- **New York Army National Guard**, March 2014 – Present
  Member of the 152nd Engineer Support Company located in Buffalo, NY. Attend monthly drills and annual training. Respond to emergencies throughout the state of NY.
- **Teaching Assistant, MA-232 Elementary Differential Equations**, August 2017 – Present
  Plan and review material covered in previous lectures with 20-30 students and administer quizzes during a weekly recitation.
- **Tutor, EE-221 Linear Circuits**, January 2017 – Present
  Tutor for linear circuits at Clarkson University. Tutor 2-5 students at a time for 2-3 hours per week.

## HONORS AND AWARDS

- Best Presentation in Computer Science and Software Engineering, RAPS Conference, 2017.
- Member of Clarkson University's Honors Program, Spring 2017 – Present.
- Presidential Scholar, Clarkson University, Spring 2017, Fall 2016, Spring 2016.
- Nominated New York Army National Guard Soldier of the Year, 2016.
- Lt. Patrick Kelly Connor USN Scholarship, 2016.