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

- **Programming Languages:** C++, Java, Haskell, Perl, C, Python, HTML, CSS, JavaScript, jQuery, MySQL, PHP, XML, MATLAB.
- **Technical Knowledge:** Android App Development, Web Development, Apache Tomcat, JSP, JavaFX, Git, Github, Eclipse, Microsoft Visual Studio, JIRA, Linux, Microsoft Windows.

ENGINEERING EXPERIENCE

- **IBM – Software Engineering Intern**, May 2018 – Present
  Developed software on the z/Transaction Processing Facility Toolkit team. Delivered a large Apache Tomcat RESTful web service which allows for easier debugging on IBM TPF applications. Wrote software on the debugger in the Eclipse Environment using Java. Tested code using JUnit automated testing. Member of an Agile software development team.
- **Philos Entertainment – Lead Software Developer**, March 2018 – Present
  Lead mobile software developer for a social networking and educational Android phone application. Developing software in Android Studio using Google Firebase for authentication, data storage, and messaging. Conducted code reviews for other developers, and assisted in the recruitment of designers.
- **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. Developed 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.

RESEARCH EXPERIENCE – Clarkson University

- Conducted research in the field of computer behavioral biometrics under Dr. Daqing Hou. In the process of developing a large web application that logs various interaction details between the user and software. The application allows the research team to make behavioral biometrics conclusions based off of observed human-computer interaction.
- 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.

HONORS AND AWARDS

- Presidential Scholar, Clarkson University, Spring 2018, Fall 2017, Spring 2017, Fall 2016, Spring 2016.
- Best Presentation in Computer Science and Software Engineering, RAPS Conference, 2017.
- Nominated New York Army National Guard Soldier of the Year, 2016.
- Grow with Google Challenge Scholarship, Spring 2018.