

# Chad William Becker

chadbeckerwebsite@gmail.com • <http://chad-becker.github.io>

## Work Experience

---

- **Lockheed Martin Aeronautics Company** **Fort Worth, TX**
  - **Project Engineer** **June 2015-Present**
    - Liaising with suppliers, the Government, the Air Force, and internal teams to manage the completion of work
    - Coordinating with the system test team and the customer to meet our incentive fee goals
    - Developing a backlog management tool for program-wide use to prioritize, track, project, and manage the burndown of work to completion using Scaled Agile methods to be more proactive and less reactive during development. Working with hardware, software, system test, and flight test teams to accomplish this.
    - Submitting system-level software delivery requests to meet the planned capability drops during development
    - Creating and maintaining a program risk health reporting tool using MATLAB that extracts pertinent risk metrics and generates plots for review by risk and program managers
    - Assisted in the cost estimation process for a new program and produced cost metrics for program directors
    - Implemented user stories to develop my organization's Agile wiki
    - Facilitated Statement of Work changes for a new project

## Education

---

- **University of Virginia, School of Engineering and Applied Science** **Charlottesville, VA**
  - **B.S. Electrical Engineering and Engineering Business Minor** **May 2015**
  - 3.894 GPA, Highest Distinction, Dean's List, and Intermediate Honors
  - Software courses: Embedded System Design (C), Embedded Computing Systems (C), Computer Networks (Java and C), Software Development Methods (Java), Introduction to Programming (Java and Python), Digital Signal and Image Processing (MATLAB)

## Selected Projects

---

- **Personal Website**
  - Developing my personal website from scratch using HTML5, CSS3, JavaScript, Bootstrap, jQuery, SQL, and Flask
- **Real-Time Room Occupancy Detection System**
  - Written in C and constructed using TI's CC3200 microcontroller and a PIR sensor. Room occupancy information is pushed to a central Amazon Web Services server and displayed via a web client and mobile application.
- **Gmail Instant Messenger**
  - Built own version of Gmail instant messenger client using the Smack API in Java. Used the Scrum software development method throughout the project.

## Internship Experience

---

- **Lockheed Martin Missiles and Fire Control** **Orlando, FL**
  - **Electrical Engineering Intern** **May-August 2014**
    - Developed self-proposed Java programs to assist with Production Support's failure analyses. The Java programs extract selected test failure data from test logs and utilize the JExcel API to generate spreadsheets that organize this data for the user. Created a GUI that allows the user to select files and generate the spreadsheets. The GUI presents the user with the history of their actions and any errors that have occurred. I drafted comprehensive documentation on the program's features, functionality, conditions, and operational steps.
- **Miller Integrated Power and Controls** **Chesapeake, VA**
  - **Engineering Intern** **July-August 2013**
    - Researched data sheets to select parts that meet project specifications, reviewed technical documents, organized parts lists in Excel, obtained price quotas, downloaded code to programmable logic controllers, and tested a control system on naval vessel Cape May
- **Swan Solar** **Virginia Beach, VA**
  - **Marketing Intern** **July-August 2013**
    - Helped establish their marketing campaign in a new locale by writing and publishing content to press releases, blogs, and social media websites. Strategized with management on an effective marketing plan per the area. I also learned about effective sales tactics.

## Programming Languages and Frameworks

---

- Java, Python, C, MATLAB, HTML5, CSS3, JavaScript, Bootstrap, jQuery, SQL, Flask