SEAN CABRERA

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WORK EXPERIENCE

Polaris Alpha   Hickam AFB, HI   June 2017 – Present
Field Software Engineer
- Developed a Situational Awareness & Decision Support web application, working closely with PACAF customers to manage and deliver requirements. This app is heavily used in both Real World and Exercise operational Air Force environments.
- Developed a SITREP Reporting web application used by over 40 organizations in PACAF.
- Implemented various web based data visualizations including a Task Metrics dashboard, Posture chart, Battle Rhythm, SITREP rollup, and Crisis Prep gantt chart.
- Technologies utilized include **JavaScript, jQuery, Bootstrap, d3.js, OpenLayers 3, HTML, CSS, JSP, Java, SQL Server, JBoss, Google Earth.**

Polaris Alpha   Fort Shafter, HI   September 2016 – June 2017
Field Support Representative
- Supported customers in their usage of CIDNE, WebTAS and INDURE at the Asia Pacific Counter-IED Fusion Center. Responsibilities included training, collecting requirements and troubleshooting.
- Increased the usage of WebTAS and adopted a new user base on INDURE.

Polaris Alpha   Colorado Springs, CO   June 2011 – September 2016
Software Engineer
- Developed the front end for the Global Health Mapping Tool and Prison Rape Elimination Act Tracking System web applications with **AngularJS, JavaScript, Bootstrap, D3.js, Google Maps API, HTML and CSS** from the ground up.
- Developed new requirements for several Coast Guard WebTAS applications with **knockout.js, JavaScript, jQuery, HTML and CSS**.
- Developed new requirements for the Civil Aviation Knowledge Base web application built with **jQuery, JavaScript, HTML and CSS.**
- Developed the User Management feature for CIDNE 3.x with **backbone.js, jQuery, JavaScript, HTML and CSS**.
- Developed back end **REST** services for multiple web applications in **Java**.
- Developed back end **SOAP** services for the Joint Space Operations Mission System program in **Java and J2EE**.
- Developed **Java Swing** based user interfaces for the WebTAS and Civil Aviation Knowledge Base desktop applications.

Lockheed Martin IS&GS   Colorado Springs, CO   April 2009 – June 2011
Software Engineer
Command, Control, Battle Management & Communications (C2BMC) Program
- Developed **Java** code for Wininst, the automated Windows Installation tool for the C2BMC system.
- Wrote **Korn shell** scripts to aid in the creation and validation of playback simulations.
- Tested functional requirements and system changes.
- Deployed several versions of the C2BMC system to Windows and Linux environments for the development integration team.

Simtek Corporation   Colorado Springs, CO   May 2006 – January 2009
Design Engineer   June 2007 – January 2009
Engineering Intern   May 2006 – June 2007
- Developed the **firmware** for Simtek's nvSRAM and nvSRAM with RTC products. The firmware was written in Simtek's proprietary **assembly language**.
- Designed the hardware and verification for Simtek's 8-bit microcontroller and real time clock digital logic circuits embedded in their nvSRAM and nvSRAM with RTC products using **Verilog HDL**.

EDUCATION
Master of Science in Computer Engineering   March 2009
Colorado Technical University,   **GPA 3.95**

Bachelor of Science in Electrical Engineering   May 2007
University of Colorado at Colorado Springs,   **GPA 3.14**

PROJECTS
Project Portfolio
- A portfolio of personal projects demonstrating proficiency in **React, JavaScript (ES6), HTML, CSS, Android and Java**: https://github.com/seancabrera

React Neighborhood Map
- Developed a web application visualizing the top bars in Waikiki according to FourSquare with **React, JavaScript, Material UI, HTML, CSS, Google Maps API and FourSquare API.**

Find the Spot Android Game
- Wrote and published an Android game titled Find the Spot utilizing **Java**, **libGDX** and the **Android SDK**.

CERTIFICATES / AWARDS
- Udacity Front-End Web Developer Nanodegree (Feb 2019)
- Java Client Programming Certificate (Colorado Technical University)
- CompTIA Security+ (July 2016)
- Polaris Alpha Gold Star Award
- Lockheed Martin SPOT Award (2 times)
- National Science Foundation Scholarship