

Alex VanTassel

Email: alexvantassel@gmail.com | Cell: 404-665-7664

Education

Kennesaw State University (Formerly Southern Polytechnic State University)

Fall 2014 – December 2017

GPA: 3.76

Bachelor of Science in Computer Engineering Technology

Technical Work Experience

Lockheed-Martin

October 2022 – Present

Senior Software Engineer, under the Enterprise Operation division, supporting Aeronautics. I support Oracle's Transportation Management System, to ensure business operations are uninterrupted. Some of the frameworks OTM is built on are Oracle Databases, Linux servers, WebLogic, Tomcat, Oracle HTTP Server, and Apache.

NCR

January 2018 – March 2023

Software Support Engineer II in Technical Support Delivery. Responsible for converting new clients to our online banking platform, configuring our systems and subsystems to be compatible with bank / credit union software, and supporting our new Business Banking platform.

Instrumental in moving our platform from on-premise Linux and AIX datacenters, to Google Cloud Platform. Partnered with devops engineers to determine best practices and account for real world usecases. Developed numerous tools to query, and update, customer data in python, using both REST APIs and oracle and informix database connections

Database technologies: Oracle, informix, mysql, mssql, sqlite, as well as python integrations for all of these.

Technical Skills

Linux/AIX Environments · Oracle and Google Cloud · C/C++ · Java · Python · Eagle · Multisim · Bash Scripts · LabVIEW · MATLAB · VHDL · Assembly · vi/emacs · Splunk

Senior Projects

Weight for It

Weight for It is an integrated smart food scale targeted for those struggling with Weight Watchers' points system. Users can select a food, tare the plate, weigh food, and Weight for It will automatically convert the weight into points. Users can then add or subtract food, and Weight for It will automatically display both the total points, and the points contributed by the current food.

Topics implemented: Raspberry Pi based (coded in C), I²C, SPI, UART, ADC conversion, and power management. We submitted this project for a patent.

Floaty McFloatface

Floaty McFloatface is designed to aid rescue personnel in the event a passenger falls overboard off a cruise ship. It is a jet propelled, remote controlled flotation device. Features include: Remote camera, 360° drive, battery powered, and flashing locator beacon. <https://www.youtube.com/watch?v=nOvHFCVLIFU>

HVAC Evaporator Coil Cleaner

See Work Experience: Kennesaw State University.

Other Work Experience

Abercrombie & Fitch

November 2013 – January 2018

Cashier and sales associate at Abercrombie and Fitch. Stockroom manager at Hollister (sister company).

Kennesaw State University

February 2017 – December 2017

Student lab assistant under the Electrical and Computer Engineering Technology department. Supervise the labs, making sure all students abide by Kennesaw's safety policies. Help out students who may need help on their projects or extra parts. Helped the department's professors on some of their research, and grade papers. Also, student assistant for the Mechatronics department (June 2017 – August 2017). Helped design the circuitry for a HVAC chemical cleaner system the university was developing in conjunction with Phoenix Health Technology. Built a functional prototype circuit board, and designed a PCB board to be manufactured.

Cellairis

September 2014 – April 2015

Repair technician. Responsibilities included repairing customers mobile devices, such as fixing broken screens or charger ports on iPhones and iPads, as well as selling accessories such as cases and screen protectors to prevent further damages.