

Benjamin R. Zwissler

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SECURITY CLEARANCE, STATUS: SECRET, active

EDUCATION:

Universities Attended:

BS, Mechanical Engineering, University of Alabama-Huntsville, 2005 - 2011

SALIENT SKILLS:

- 4.5 years technical experience.
- 0.5 years leadership / management experience.
- Computer software experience: Proficient with Dreamweaver, PHPMyAdmin, SQL, IIS and XAMPP for website development and database creation. Extensive knowledge of SolidEdge, Microstation and NX, comfortable with most forms of CAD software such as Microstation, Solid Edge and Pro Engineer (PTC Creo). Familiar with BCN, eCAD, eFirstPiece, and eEM software. Skilled with all standard MS applications (Access, PowerPoint, Word, Excel etc.)
- Computer hardware experience: Familiar with most standard and high performance computing hardware including desktops, laptops, assorted servers and their components.
- Familiar with lean manufacturing, Six Sigma and steel manufacturing processes and machinery. TVTC safety certified (OSHA, PPE, Hazard and Chemical Safety etc.)

EXPERIENCE:

01 / 2015 - Present Amiri Engineering (Civil Engineering/Lab Technician)

- GeoPier Q&S, weld inspection, aggregate testing, soil and concrete analysis.

7 / 2014 – 11 / 2014 GaN/M&J (Part Time Engineering Work)

- High-speed camera setup and analysis in LabVIEW for munition tracking, installation of networks and servers, entry level sandboxing in Cuckoo concerning malignant software and network security/Sheet Metal CAD design in Solid Edge.

1 / 2014 – 05 / 2014 Intrepid (Missile Defense Agency SN (Sensors) Engineer)

- Sensors support (SN) – Configuration Management Plan (CMP) drafting and threat documentation and analysis.

12 / 2011 – 12 / 2013 Intrepid (Missile Defense Agency DTF (Flight Test) Analyst)

- Flight test support (DTF), utilization of Dreamweaver, PHPMyAdmin, MySQL and various other software packages to develop in PHP, SQL and HTML languages. Admin, Programmer and primary POC for the Deployment Registration and Authorization Tool (DRAT) which is utilized to generate rosters for shore support and mission deployment. Asset management support in regards to flight test planning, equipment status and locations.
- Personally lead all DRAT PHP development at VBIII as well as the Advanced Research Center (ARC)

08 / 2010 - 12 / 2010 GE Appliances, Roper Corp (Engineering Co-op)

- Worked on new product design, electronic control specifications, GD&T tolerance loops, eCAD processing, evaluation of reliability lab testing data, assistance in DG (Design Guidance) and DC (Design Confirmation) product builds.
- Worked to maintain and improve manufacturing lines that fabricate ranges, stovetops, microwaves and ovens as well as develop new products.

04 / 2009 - 01 / 2010 Willo Products (Project/Sales Engineer Co-op)

- Reviewed architectural drawings and specifications, verified contractual scope of work, designed and detailed doors, locking mechanisms and frames for the detention industry.
- Compiled bids, prepared take-offs, analyzed project specifications with scope of work.

11 / 2008 - 05 / 2009 Appleton Learning (Contracted Tutor)

- High school and intermediate college level tutoring in the following courses: Algebra I, Algebra II (w or w/o Trigonometry), Geometry, Pre-calculus, Calculus, Chemistry and Physics.

05 / 2007 - 08 / 2007 Amiri Engineering (Civil Engineering/Lab Technician)

- Concrete, mortar and grout sampling, ping testing, soil density testing, concrete cylinder stressing, soil proctoring, mono-strand cable stressing.

SELECTED PUBLICATIONS IN RELATED AREAS:

Technical Report at EUCOM AMPC Briefing- Attended a working group in the USAFE Warrior Prep Center in Einsiedlerhof Air Station, Germany. Briefed SMEs and other EUCOM/CENTCOM participants in detail regarding recent flight tests at home and abroad.

PROFESSIONAL ASSOCIATION MEMBERSHIPS / LEADERSHIP POSITIONS:

UAH IPT "New Frontiers" Mars regolith penetrator design, Design/implementation of inert welding gas delivery system, Sealant/adhesive/primer experimentation, Senior design spokesman/team lead, Update/creation of bidding/material/spec sheets.