

# Andreas A. Stevens

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## Statement:

*I am eager be part of a technical design group, to apply my unique problem-solving skills and attention to detail, to create solutions to technical projects while learning and sharing new ideas. I strive to continue to learn and share knowledge about the many different facets of this ever-changing field of engineering, electronics, and related sciences.*

## Skills and Abilities:

### Certifications, Education, and Special Training

- ABET Accredited ELECTRICAL ELECTRONIC(S) ENGINEERING TECHNOLOGY, AS. (Associates awarded 2015.) - Delgado Community College, New Orleans, La.
- National Electric Code, through coursework and hands on applications. (Technical Competency awarded 2004.) - Delgado Community College, New Orleans, La.
- General Electronics courses in servicing and Design, Alvin Community College, Alvin, Tx. San Jacinto Community college in Pasadena, Tx.
- A+ Certification, MCSE training ( NT core, Networking+, administration)
- Aerospace technology studies on preliminary ISS design; through coursework at San JacintoCC, on site NASA facilities, and with NASA technicians and support staff.
- Self motivated and trained multidisciplinary "Maker" and "open-source" contributor.
- Group management in service industry, retail, hospitality, and small business operations.
- Training of OSHA standards (GNOIEC basic plus). TWIC card authorized.

### Hardware and equipment:

- Electronic and Electrical-mechanical Hardware experience. Diagnosing and Servicing circuit faults using schematics, test equipment, and relevant repair tools.
- Hand tools usage and safety for property (re)construction and maintenance.
- configurations of control systems using PLC's, micro-controllers, and micro-computers.
- Interfacing of sensors and monitoring devices for consumer and Industrial applications.
- FDM/FFF (3D) fabrication design methods and object prototyping.

### Computerized Systems and Software:

- Computer hardware platforms and operating systems, with familiarity of common office and user software available for them. e.g., X86/ARM devices, MS Windows/NT, Linux, Android, Commodore Vic20/64/128/Amiga, and older Apple products.
- Drafting/Graphic design tools: Autodesk AutoCAD, Autodesk Fusion 360, Autodesk Meshmixer, FreeCAD, Bentley Microstation, InTools, and miscellaneous bitmap and vector drawing software products.
- Business/Office tools: Microsoft Office Suite, Spreadsheet and Presentation software, 'Open' office packages, printers/plotters, networking, and document management.
- Programming and debugging at varying basic skill levels in C/C++, Python, (q)(V)BASIC, Android Development, and GIT versioning operations.
- networking hardware and software, multi protocol client/servers, firewalls, permission management, administration, NAS configuration, and virtual environments.
- Audio and video production equipment, control, layout, and sound design.

## **Experience:**

### **Site 61 Hostel, New Orleans , La.: 2012 – 2019**

#### Technical and Operations Management:

- Design and layout of modern electrical devices, to rehab a historic commercial building to comply to all building codes applicable.
- Set up the hostel's computer network for maximum administrative and guest security using "off the shelf" hardware.
- Install cameras and DVR for on-site and mobile monitoring.
- Customer service, guest relations for travelers.

### **Universal Personnel contractor at Exxon Mobil Chalmette Refinery L.L.C. : 2008 - 2012**

#### Lead Drafter: T.S.D. piping inspections department

- On-site drafting for Exxon Mobile Piping Inspections Department.
- Computerized redrawing and updating of older on-site documents to new standards.
- Organize and document new standards and procedures for future drawings.
- Compose accurate drawings by cross-referencing with Piping and Instrumentation Diagrams (P&ID), and visual confirmation of devices.
- Verification of inspection data on isometric drawings as directed by API guidelines.

### **Wink Companies, Shell Motiva/Convent group, St Rose, La.: 2005 - 2007**

#### Drafter, Jr. E&I Designer:

- Technical drafting for Electrical and Instrumentation department (E&I) for a petrochemical and industrial engineering firm.
- Updated instrument and equipment layout drawings, following site-specific guidelines, and assisting engineers and designers to complete new or expansion projects.
- Assure document standards compliance before submitting/transmitting back to Client
- Directly assist quick drawing of proposal documents for project engineers.
- Primary E&I drafter for Shell Motiva/Convent refinery projects.
- Duties required knowledge of electronics and electrical code standards, high power switch-gear, PLC and other industrial hardware components.
- Primary software used was Autodesk's AutoCAD, Bentley Microstation, and InTools.

### **Mid-City Properties LLC, New Orleans La. : 1988-Present (As needed)**

- Domain administrator, computer maintenance and tech support for family-owned apartment management company.
- General electrical rehab, installation, and maintenance, including total rewiring of a number of units after Hurricane Katrina.
- General maintenance and repair.

### **Space Center Houston, Houston Tx. : 1993 - 1994**

#### Guest Services Envoy:

- Guest services liaison with visitors to Johnson Space Center.
- Provided guest information about NASA history and events and assisting with facility security.

### **Radio Shack / Tandy Corp., New Orleans, La. and Pearland, Tx. : 1991 – 1993**

#### Customer Service Representative

- Retail electronics sales.
- Assisting customers with device and circuit troubleshooting.