

# LUCIAN PERNICIARO IV

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## Education

### Texas A&M University

*Bachelor of Science in Computer Engineering*

**Aug. 2018 – Dec 2023**

*College Station, TX*

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Computer Systems
- Microprocessor Design
- Electric Circuit Theory
- Discrete Structures
- Programming Studio
- Computer Architecture

## Technical Skills

**Languages:** Python, Java, C, C++, C#, HTML/CSS, JavaScript, SQL

**Developer Tools:** VS Code, Jenkins, Ansible, Nagios, Oracle SQL, Eclipse, Vivado, Google Cloud Platform, Android Studio

**Technologies/Frameworks:** Linux, Windows, GitHub, React, SSL, SSH, Vue.js

## Work Experience

### Itron

*DevOps Deployment Engineer Intern*

**Dec 2021 – Dec 2022**

*San Antonio, Texas (remote)*

- Collaborated with other departments to establish development requirements
- Deployed software and ensured its functionality upon deployment
- Developed automation for repetitive tasks
- Troubleshoot and resolved customer issues
- Ensured cross-platform compatibility with Docker containers and Ansible playbooks
- Experience with multiple DevOps tools: Jenkins, Docker, Nagios, Kubernetes, Ansible, Azure, Git

### TNTechnologies

*IT Technician / Software Developer*

**Feb 2020 – Nov 2021**

*Cedar Park, Texas (hybrid)*

- Integrated Atera and ConnectWise Control using HTML, JavaScript, CSS, and C#
- Developed data processing software to automate spreadsheets for software installation
- Integrated Atera and Datto AutoTask using REST APIs
- Explored remote installations through CLI
- Maintained on site VMs through patches, installations, and physical upgrades

## Projects

### Power Line Fault Identification With AI | *Node.js, Vue, Javascript, Django, Python*

**Jan 2023 - Ongoing**

- Developed a neural network for 3-phase power line fault identification using Simulink and Matlab
- Implemented full stack development for MCU, database, and frontend communication
- Created a REST API for Django database and documented API requests with Postman
- Developed front end system to display fault information to grid operators
- Live Demo <http://lucianp.com:8080/>

### User Provisioning | *Python, Jenkins, Ansible, Docker*

**June 2022**

- Automated user account permission provisioning using Jenkins and Docker
- Used Docker to quickly integrate proprietary APIs
- Created external team modifiable lookup table for application types, versions, and permissions

### Atera2Autotask | *Javascript, HTML*

**June 2021**

- Created a web interface to push customer machine data from Atera to Datto AutoTask
- Interpreted developer documentation and relayed with team to discuss possible features
- Implemented Apache server with SSL and password authentication for employee access
- Utilized environment variables to secure API keys
- Created developer and usage documentation

### Restaraunt POS System | *Java, PostgreSQL*

**March 2021**

- Developed a mock restaurant POS system storing data to provide historical suggestions

- Implemented GUI and relayed naming conventions to team
- Used database to authenticate user credentials
- Used historical order data to provide users with meal suggestions and provide managers with trending items

#### **ConnectWise Control/Atera integration** | *HTML/CSS, Javascript, C#*

**April 2021**

- Developed an extension for ConnectWise Control to gather system data from Atera's REST API
- Reverse engineered ConnectWise Control's code base for useful functions
- Processed machine data from Atera for ConnectWise notifications
- Collaborated with ConnectWise team for code approval requirements

#### **Client Checker** | *C++*

**May 2020**

- Designed data processing software to automate spreadsheets for auditing software
- Accepted input data from CSV files extracted from Antivirus software, ConnectWise Control, and Atera
- Generated spreadsheet for technicians to view system data and software installations
- Signed software with a valid certificate to verify publisher information

### **About Me**

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Learn more about me on my website [🔗 https://lucianp.com](https://lucianp.com)