

Laurence A Maddox

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Summary:

Innovative and adaptive team leader with diverse skill set and lateral mobility. Experienced in all aspects of product design and deployment since 2006 using cost-saving automation solutions. Advanced knowledge in SQL, C++, Python, Bash and Linux including non-GNU. Deep understanding of statistical models, algorithms and multivariate analysis. Willing to relocate anywhere with oxygen.

InnovAnon, Inc.

Self Employment

Jan 2004 – Present

- Steered working group developing church programs
- Managed a tutoring program, matching students with appropriate instructors
- Sourced food, coordinated meal preparation for food-insecure individuals in the community
- Provided no-cost information technology consulting and administration to various church groups
- Researched need, created social media presence, increased brand awareness for local business
- Setup and maintained IT infrastructure to connect the congregation, including continuous deployment pipeline
- Engineered custom software solutions used in worship and priestcraft

House of Beauty Salon & Academy

Nov 2020 – Present

Professional English Club

Sep 2019 – Present

Vijay Kabab Roll

Feb 2023 – Jun 2023

LOL Liquors

Oct 2017 – Dec 2017

Social Media Marketing Consultant

- Researched need, created social media presence, increased brand awareness for local business
- Integrated WhatsApp, Facebook and Instagram
- Used dlvr.it to mirror posts to Google Business Pages and Twitter
- Created presence on Google Maps, Apple Maps, Bing Places, YouTube and LinkedIn
- Responded to customer reviews

Hong Yang Rest LLC DBA Taste of Asia

Food and Alcohol Server

Aug 2022 – Jan 2023

- Prepare hot and cold drinks for customers
- Recommend beer and wine pairings
- Food prep and assisted kitchen staff

Italian Restaurant INC DBA Little Italy

Lead Dishwasher and Prep Cook

Apr 2022 – Jan 2023

- Pizza kitchen and main kitchen
- Set tables in party room
- Coordinated with maintenance and pest control services
- Assisted waitstaff with side work

Huntington Learning Center

ACT/SAT Prep Tutor

Sep 2021 – Feb 2022

- Exam prep tutor for high school students

St. Juste Management Corp DBA Burger King

Shift Supervisor

Sep 2021 – Oct 2021

- Opened and closed the store
- Received shipments
- Led team during lunch rush

Lyft

Uber Rideshare

Driver

Jan 2017 – Sep 2021

DoorDash Postmates Inc. Favor Delivery Delivery Driver	Jan 2017 – Sep 2021
Merchandiser Merchandiser	Jan 2017 – Sep 2021
iSecretShop Mystery Shopper	Jan 2017 – Sep 2021
Evers Star Food Mart Assistant Manager - Opened and closed the store - Received shipments - Inventory - Evaluated and recommended cash register systems to store owner	Jul 2017 – Oct 2017
Finisia Medrano Permaculture Contractor - Gathered seeds and propagated native, edible species and support species - Cleared noxious weeds and planted first species - Chopped firewood and cooked meals - Trained dogs for hunting and animal husbandry - Erected, transported and dismantled temporary shelters	Oct 2015 – Apr 2016
Trinity Millennium Group Senior Development Operations Engineer - Ported, updated subversion repository, integrated LDAP, allowing more centralized control - Managed continuous integration system, automated/enforced company policies - Automated testing, unit tests, integration tests - Interfaced dissimilar systems between sysadmin, developers, and quality assurance	Mar 2015 – Aug 2015
Research & Development C# Engineer Further developed, maintained proprietary programming language translator	Dec 2014 – Mar 2015
Java Developer - Continual manual maintenance, troubleshooting of automated language translator source code - Legacy Modernization	Jun 2014 – Dec 2014
American Housekeeping Marketing Specialist Self-managed advertising material distribution	Jan 2014 – Jun 2014
The University of Texas at San Antonio Student Presenter Instructed students during class lab periods, assisted professor, graded student assignments	Jan 2010 – Dec 2013
Tutor - Assisted with Introduction to Computer Programming I & II, Data Structures, Advanced Programming, among other topics - Assisted students with assignment comprehension, debugging	Aug 2010 – Dec 2012
Research Assistant Generated code to instantiate abstract algorithms using arbitrary containers for Dr. Yi	Jan 2012 – Jun 2012
Research Assistant - Writing software tools to extract human subject's data from existing digital storage for Dr. Beebe - Optimized database schema for 20x speedup - Parallelized existing project for 30x speedup	Jun 2011 – Dec 2013
Software Developer Created "La Clase Magica" website for Dr. Shonle	Jun 2010 – Sep 2010

Self Employment Partnership

Oct 2006 – Jun 2008

- Built reliable customer base
- Established business relationship with product supplier for bulk purchase discounts
- Established practices and protocols to ensure product freshness for competitive advantage

YUM Foods DBA KFC/Tacobell

Cashier

Jun 2006 – Oct 2006

Education:

The University of Texas at San Antonio

2013

Bachelor of Science in Computer Science

Leadership Roles:

- President of UTSA chapter of Association for Computing Machinery
- Officer of UTSA chapter of Cyber Security Association
- Trained competitors for Collegiate Cyber Defense Competition
- Captain of TCEA programming team
- Captain of varsity swim team
- Cabin Captain at 3HO Kundalini Yoga

Publication:

Sceadan: Using Concatenated N-Gram Vectors for Improved File and Data Type Classification

IEEE Transactions on Information Forensics and Security, Volume 8, Issue 9

<https://ieeexplore.ieee.org/abstract/document/6567922>

Certifications:

- Texas Food Manager
- TABC
- Ayurvedic Practitioner
- Traditional Chinese Medicine Practitioner

Additional languages:

- Latin (limited working proficiency)
- Punjabi (elementary proficiency)
- Spanish (elementary proficiency)

Previous Projects:

- Simon, a model-based mocking tool which instantiates random Objects. It can be used to generate random, but "realistic" data.
- SCEADAN, a content-based file fragment classifier, which features an optimized statistics kernel for computing various measurements, including higher order variances using multiple measures of central tendency.
- Finux Heterogeneous Multi-Cluster, which rambooted from LiveCDs and/or PXE, leaving the hard drives free for data-only (i.e., no system files).

Skills:

- Linux, GNULibC, musl, Ubuntu, Debian, Fedora, Linux From Scratch, FreeBSD, OpenBSD, Shell Scripting, Bash, CSH
- System Administration, Network Administration, QoS, IPTables, PF, Database Administration, Cyber Security
- Software Engineering, Software Architecture, Algorithms, Data Structures
- Java, C, C++, Python, Perl, LISP, x86 Assembly, AspectJ, Spring, Maven, C#, JavaScript, CSS, HTML, XML, PHP
- Machine Learning, Artificial Intelligence, Statistics, MySQL, PostgreSQL, HIPAA Compliance, LaTeX
- Eclipse, VIM, Visual Studio, Git, TravisCI, CircleCI, Jenkins