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**Seeking a position as a remote back-end programmer**

## EDUCATION

| Louisville, KY | University of Louisville | 2013 - 2015 |

- **M.S. IN COMPUTER SCIENCE**
  - Graduate Project (Game Programming/Design)
  - Legal Issues in Data Mining
  - Simulation and Modeling of Discrete Systems
  - Design and Analysis of Computer Algorithms
  - Mobile Computing
  - Mobile Programming for iOS Development
  - Information Security
  - Databases
  - Evaluation of Computer Systems
  - Computer Communications and Networks
  - Design of Operating Systems
  - Discrete Structures
  - Data Structures
  - Calculus I-III & Linear Algebra (KCTCS/WKU)
  - Logic (WKU)
  - Programming in Visual Basic (WKU)

### Projects

- **Graduate Project (2015).** 2D game created "from scratch" without utilizing a premade game engine. Java, Eclipse
- **Normalized Databases (2015).** MySQL and PostgreSQL databases. SQL queries were rigorously used to test for correctness and consistency. SQL, MySQL, PostgreSQL
- **Secured Web Server** (2015). A CentOS Linux web-server and database. Security measures were implemented, attacks were simulated, and the server was scanned for vulnerabilities.
- **Queue Simulation Project II** (2014). Simulation. Modeled simulations of more advanced queuing systems. Java, Eclipse
- **Mobile iOS App** (2013). Flashcard app for iOS. Objective-C, Xcode
- **Queue Simulation Project I** (2013). Discrete Structures. Modeled simulations of basic queuing systems. C++, Dev C++

| Bowling Green, KY | KCTCS & WKU | 2010 - 2012 |

- **CS MASTER'S PREREQUISITES**

| Bowling Green, KY | Western Kentucky University | 2004 - 2009 |

- **B.S. IN MATH AND SCIENCE EDUCATION**

## WORK HISTORY

| MARTIN ELECTRONICS CO-OWNER PRIVATE TUTOR & SUBSTITUTE TEACHER | Working closer to family due to needed assistance with health issues (epileptic brother, and mother developing Alzheimer's) | **2017 - 2022** |

- Privately tutored in math, programming, and computer literacy
- Taught as a substitute teacher for the local school system
- PC/Laptop troubleshooting and repair, PC System building, home network installation
- Collins Distribution Internet Reseller, OTA antenna sales and installation, satellite dish installation
- Home security system sales and installation, TV mount installation, MIMO cellular antenna installation

| HEAD OF TUTORING SERVICES & ADJUNCT INSTRUCTOR | SOUTHCENTRAL KY COMMUNITY AND TECHNICAL COLLEGE | **2009 - 2016** |

- Tutored and coordinated tutoring in math, CIT/programming, and other topics
- Interviewed and trained student/part-time tutors
- Taught over 100 credit hours of math and CIT/programming courses
- Award: The Learning Center at SKYCTC voted BEST Academic Improvement Program/Tutoring Center in area (2013)
- Award: SKYCTC Mentor Award Nominee for exceptional service to students (2012)

## MOST FAMILIAR TECHNOLOGIES AND PROGRAMMING LANGUAGES

| C# | C++ | Java | Python | SQL | 6502 Assembly (from classic game modding) |
|----|-----|------|--------|-----|--------------|
| Unity3D | Godot | Photoshop | Git | Now gaining familiarity with **Rust** | |