HENRY POST

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Chicago, IL

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EDUCATION

Illinois Institute of Technology, Chicago   *September 2015 - December 2019*

Bachelor's in Information Technology Management

Dean's List: *Spring 2016, Fall 2018, Fall 2019*

PROJECTS

Twitter Disaster Data Analysis   *March 2019*

Co-author and co-maintainer of a Python package that allows developers and data scientists to gather thousands of tweets from Twitter for sentiment and regression analysis. Our research whitepaper is available at this link.

Replacement of library reference computers   *2018*

Designed a custom linux-based microcomputer (Raspberry Pi) solution for aging Windows PCs at the Oak Bluffs Public Library of Massachusetts that saved thousands of dollars of the cost of new Windows Desktop PCs and was much safer.

ASCII compression algorithm   *June 2015*

Over the summer, I enrolled in an IIT summer Mathematica course where I coded an ASCII compression algorithm that took 256 of the most common duplets of characters in an ASCII file and compressed them into a file containing a dictionary followed by compressed data.

Arduino soil tester   *2013*

Soil sensor built by simple circuitry and C coding in an arduino. Resistance measurements of soil by recording averages of AC current through two electrodes were how the moisture levels in the soil were determined.

TECHNICAL STRENGTHS

Skills	Programming (10y), Linux (4y), IT Administration (3y), Software Design (5y), Technical Documentation (4y), Computer Repair (5y), Circuitry (2y)
Programming Languages	C# (2y), C++ (3y), C (2y), ASP.NET (2y), Python (6y), Java (6y), Kotlin (2y), Ruby (2y), Bash (3y), PowerShell (2y), MySQL (3y)
Software & Tools	Visual Studio, Git, MS Office, LaTeX, AutoDesk Inventor

WORK EXPERIENCE

Security Analyst *May 2019 - December 2020 (Current), 19 months*
U.S. Bank *Chicago*

· Analyzing C#, Java, ASP.NET, PHP, and JS source code
· Discussing implementation and security vulnerabilities with developers
· Managing workload between multiple co-workers and prioritizing work items
· Creating, disseminating, and maintaining documentation

Private Tutor *Oct 2017 - May 2019, 19 months*
Wyzant *Chicago*

· Teaching tutees online and in-person about various programming languages, technologies, and concepts.
· Teaching in Python, Java, HTML, CSS, and JavaScript.
· Drawing diagrams
· Scheduling online or in-person tutoring lessons
· Creating lesson plans and exercises, creating interactive programming challenges, doing pair programming
· Creating pieces of example code to illustrate a point
· Demonstrating underlying programming concepts

Tutor *February 2017 - September 2017, 7 months*
Illinois Institute of Technology *Chicago*

· Explaining basic programming concepts such as OOP, lists, control flow, compilation vs interpretation, etc.
· Teaching data structures such as linked lists, binary trees, heaps, skip lists, etc.
· Responsible for managing multiple tutees at once, often switching rapidly between different languages and subjects.
· Drawing diagrams, creating pieces of example code to illustrate a point, aiding in test prep by quizzing students.

Librarian & IT Contractor *July 2018*
Oak Bluffs Public Library *Martha's Vineyard*

· Day-to-day technological operations such as setting up/turning off PCs.
· Troubleshooting IT issues such as connection, computer operation, and printers.
· Answering patrons' questions regarding printing, word processing software, phones, and all other technological questions.
· Documenting procedures, protocols, and troubleshooting regarding the custom Raspberry Pi hardware solution.

Technician *May 2016 - July 2016, 3 months*
uBreakiFix *Chicago*

· Intake of damaged devices, handling workorder flow/time management, diagnosing smartphones/laptops, disassembly, repair, and reassembly of smartphones/laptops.
· Malware removal, software installation and configuration.
· Working with small electronics and laptops in-depth, part lookups by product ID numbers, troubleshooting.
· Heat gun, compressed air gun, handheld vacuum, and soldering iron operation.

EXTRA-CURRICULAR

Part of a student-led schoolwide computer repair club at Northside College Preparatory High School. Serviced laptops, servers, and desktops.
2012-2013

Worked for "Dirt Actualizers", a landscaping club at Northside College Preparatory High School.
2012-2015

Part of "Electronic Gaming Club" at Illinois Institute of Technology.
2016-2018

PERSONAL TRAITS

Constant desire to acquire new skills.

Strong motivational and leadership skills.

Loves working in group settings with diverse team members.

Skilled in writing concise and descriptive documentation that stands the test of time.

WHY SHOULD YOU CHOOSE ME?

I have an intense drive to explain, document, and teach programming and technology concepts. I am comprehensive and concise in my work, and I enjoy creating examples, demonstrations, and diagrams with the purpose of teaching.

When creating code, I strive to create reusable, clean, and well-documented code. I often find myself re-using code techniques such as programming by contract, using factory functions, and using inner functions or subroutines to keep my code DRY, to name a few. I use techniques that work well for me, are reusable, and that provide overarching structure and patterns to my code.

I enjoy creating reusable coding examples with the purpose of teaching things to people, and ensuring that everyone is given the chance to try them out.

I have a wide and deep history of programming projects, all under version control and most on [my GitHub](#) that are all well-documented and meant to be reused by anyone.

In short, I love to program, teach, and document my work; and I would say that I'm very good at it.