

JOSEPH T. LYONS

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SUMMARY

Goal-driven application developer with a passion for building tools to automate tasks. Possesses a passion for finding optimal and efficient solutions to problems at hand. Aims for thoroughness that results in the delivery of highly consistent product. Strives to design and develop highly scalable software systems with future maintainability in mind.

TECHNICAL SKILLS

Proficient in / with:

- Python, C++
- Object-oriented programming
- Meticulously crafting clean code
- Refactoring techniques
- Writing clear and concise documentation
- Git version control and GitHub
- macOS

Experience in / with:

- Rust, JavaScript, Swift, C#, and others
- Documentation languages, such as Markdown
- Parallel / concurrent programming
- Native GUI application development with JUCE, Cocoa, and Cocoa Touch
- Web application development via Django framework
- Game development with Unity
- Working from the Unix / Linux command line
- Unit testing

EDUCATION

Indiana University South Bend

Bachelor of Science in Computer Science | May 2015 — May 2019

- Graduated with Highest Distinction with a GPA of 3.98 / 4.0
- Maintained the Dean's List for every semester attended
- Awards
 - Computer and Information Sciences Excellence Award | May 2019
- Certificates
 - Certificate in Advanced Computer Programming | December 2017
 - Certificate in Computer Programming | May 2017

NOTABLE PROJECTS AND COLLABORATIONS (PAST AND PRESENT)

- Developed and released desktop applications and plug-ins for audio engineers and musicians
- Created Rust crates, text editor plug-ins, and other open-source tools to automate development tasks
- Contributed to popular open-source software, such as Atom, Rust-Lang, and Nushell
- Nushell repository maintainer (triage duties)
- Collaborated on open-source software that has been deposited into the 2020 GitHub Archive Program (Arctic Code Vault)
- Co-authored a simulated operating system
- Reviewed technical books: Object Design Style Guide

WORK EXPERIENCE

SYSCON International, Inc.

Software Engineer II | September 2019 — Present

- Use Python, and the Django framework, to aid in the development of the PlantStar 4.0 web application
- Work on a multitude of tasks, which span from implementing core system functionality to writing / modifying scripts used for task automation
- Design and build tools to aid in the deployment of our product
- Create and maintain open-source python libraries
- Occasionally works on minor frontend tasks using JavaScript, JQuery, and Django Template HTML

Various Companies

Audio Software Beta Tester | 2011 — Present

- Thoroughly and rigorously test Digital Audio Workstation plug-ins for many different audio developers

LivestockCity

Remote iOS Developer Intern | July 2019 — September 2019

- Created scalable user interfaces using Auto Layout
- Responsible for the addition of smaller features
- Enforced the usage of the MVC development pattern
- Refactored existing code to increase future maintainability

Ponderosa Steakhouse

Various Roles | November 2008 — August 2019

- Worked various positions, including cook, maintenance, and management
- Obtained the ability to work and communicate within a team
- Entrusted to train employees in new positions
- Developed organizational tactics and time management skills in order to consistently serve quality product

Gearspace.com

Audio Software Review Writer | July 2015 — December 2016

- Wrote ~25 professional reviews for the official Gearspace product review team

REFERENCES AND LETTERS OF RECOMMENDATION

Available upon request