JOHNATHAN T. DEWEY

Software Engineer

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Disciplined computer engineer with 6 years' experience in high-level computer programming languages.

SKILLS

Java | Python | SQL | HTML | CSS | PHP | JavaScript | C++ | MIPS Assembly
Java APIs (JavaFX, Three.js) | Agile Development | Object-Oriented Programming
Code Efficiency | Data Mining | Machine Learning | Cooperative (Egoless Programming)
Resilient | Resourceful | Reliable

PROFESSIONAL EXPERIENCE

Information Technology Technician • <u>**Furman University IT**</u> • Greenville, SC   01/2021 - 05/2024

- Consulted with uniformed students and faculty to resolve tech issues, promoting the health and security of the university's internet users.
- Responded to campus-wide security breaches, and defended university internet security through quarantining and repairing affected PC's.
- Implemented and guided users through business applications such as *Workday*, Learning Management systems such as *Moodle*, and security software such as *Duo* and *Trend Micro*.
- At an annual install event for incoming freshmen, worked diligently with a team to process and install security software for about **500 students**, establishing secure internet users for the incoming class.

Research Assistant • <u>**LSU's DeepDrug**</u> (Python, C++) • Baton Rouge, LS   **05/2022 - 08/2022**

- Implemented source code for two tools: eMolFrag and eSynth. eMolFrag analyzes molecular fragments and creates relationships to other similar fragments—coded in Python. eSynth synthesizes new molecules built from fragments—coded in C++.
- Worked with a peer to complete system-wide refactoring for eMolFrag, resulting in improved run-time efficiency by 93%, and reduction of source line code by 80%.
- Created frequency and distribution analysis features for eSynth, creating a feature to run statistical analyses.

Tricaster® Operator • <u>**Furman University Multimedia**</u> • *Greenville, SC*   08/2022 - 05/2024

- Filmed students and faculty presentations using a lightboard and produced a moving picture file for their use.
- Learned and applied efficient "Tricasting" techniques, resulting in smoother movements and improved video quality.
- Adjusted audio to best capture public speaking voice, resulting in clear and crisp audio.

Barista • <u>**Yellow Mug Coffee Company**</u> (Hospitality) • *Weaverville, NC*   02/2023 - 03/2023

- Supported local businesses through the service of caffeinated beverages, alcohol, and food to **200 daily** customers—maintaining a **4.8-star** review rating.

- Engaged with customers in an elegant manner which increases satisfaction and keeps a good reputation.
- Cooperated with a diverse team to efficiently complete orders and maintain the sanitization of the restaurant, maintaining an A+ **(98.5)** food grade rating.

LANGUAGES

English – Native Language
Japanese – Limited Working Proficiency

EDUCATION

B.S. Computer Science – Furman University (3.5 GPA)
B.A. Japanese Studies – Furman University (3.78 GPA)