

# Daniel Thompson

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## EDUCATION

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### University of North Florida

*Bachelor of Science in Computer Science*

Jacksonville, FL

*Aug. 2023 – May 2026*

- 3.8 GPA
- 3 times on the Dean's List
- Founder and President of z/OSpreys (UNF's Mainframe club)

## PROJECTS

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### Amortization Calculator | *Enterprise COBOL, JCL*

October 2025 – December 2025

- Developed a program to amortize from an input record and have the output controlled by JCL

### Dmalloc | *C++, Make*

October 2025

- Developed a cross platform compile time memory tracker to track C memory allocation calls

### Annuity Valuation | *Enterprise COBOL, JCL*

September 2025 – October 2025

- Developed a program to evaluate an Annuity from user supplied parameters

### Concurrent Socket Server | *Java, C, Gradle, Make, Git*

February 2025 – April 2025

- Developed a concurrent socket server in Java and C that handles requests from multiple client connections

### Iterative Socket Server | *Java, C, Gradle, Make, Git*

February 2025 – April 2025

- Developed a iterative socket server in Java and C, that handles requests from multiple client connections
- Developed a multi-threaded client program in Java to connect to the socket server to request an action

### SIC Assembler | *C, Git, Make*

August 2024 – December 2024

- Developed an assembler for the SIC architecture
- Later extended to support the SIC/XE architecture for a group project
- In production use for UNF's Systems Programming course on IBM z/OS and Linux

### MIPS Emulator | *Java, Gradle, Android, Git*

January 2024 – May 2024

- Worked in a group with 4 other students
- Developed a emulator for Computer Design and Architecture to simulate a MIPS processor

### File Split Merge | *Java, Android, Gradle, Git*

November 2023 – February 2024

- Developed a mobile application that can split a file to smaller file segments
- Automatically able to send file segments to a recipient by sending MMS messages

## TECHNICAL SKILLS

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**Languages:** Java, C/C++, SQL, Python, Enterprise COBOL, JCL

**Developer Tools:** Linux, Git, Docker, VS Code, Visual Studio, IntelliJ IDEA, CLion, TSO, ISPF, Zowe

**Proficient with:** Network configuration, Linux systems administration, and IBM z/OS

**Certifications:** IBM Z Xplore: All Star, Advanced and Concepts, IBM COBOL Programming with VSCode

## EXPERIENCE

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### President of z/OSprey's

September 2025 - May 2026

*University of North Florida*

*Jacksonville, FL*

- Founded UNF's mainframe club
- IBM Z Student Ambassador
- Leads and Plans General Body Meetings
- Speaker for IBM Z Day
- RACF Administrator (ospreys.biz LPAR)

### Osprey Security Team Captain

January 2025 – May 2025

*University of North Florida*

*Jacksonville, FL*

- Leads and coordinates competitive club activities and competitions, including task assignments and strategic planning
- Responsible for maintaining the collection of club servers using Proxmox VE and an OPNsense router
- Improved operational efficiency with architectural changes