# Vladimir Cuc

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## EDUCATION

**Florida Southern College, Lakeland, FL (Aug 2022 – Dec 2025)**
Bachelor of Science, Computer Science  •  GPA: 3.8/ 4.0

Java • Python • C++ • HTML • CSS • JavaScript • SQL • MongoDB • Agile • Linux • React • REST APIs • Azure • ML • Data Structures • OOP

## PROFESSIONAL EXPERIENCE

**Academic Fuel, Florida Southern College** • Lakeland, FL  (January 2024 - Present)
Programming Language Tutor

- Increased student grades by 20% through engaging lesson plans that enhanced problem-solving and programming skills.
- Enhanced communication skills and deepened knowledge of Java and Python through teaching.

**Vertical Digital** • Oradea, Romania  (May 2024 - August 2024)
Software Engineer Intern

- Improved company processes, reducing data integration time by 30% through custom REST APIs that streamlined data extraction from Excel files.
- Enhanced data management efficiency by 40% through MongoDB and SQL integration, significantly improving data storage, retrieval, and overall system performance, acquiring a growth mindset.
- Developed custom payment processing solutions simulating 1,000+ financial transactions for testing accuracy.

## PROJECTS AND COURSEWORK

**Projects**

TradeWise (Spring 2024):

- Developed a stock trading app using Flutter, Figma and a custom Uvicorn API, enabling 500+ users to manage trades.
- Collaborated with a team of four using Git and Agile methodologies to implement an MVC design pattern, improving app structure and integrating a Firebase database, handling 10,000+ daily transactions. *GitHub.* **Dart**

Diabetes Prediction using Neural Networks (Spring 2024):

- Trained neural networks using both PyTorch and Keras frameworks to predict diabetes, leveraging a dataset of 2,460 training instances and 308 instances for evaluation purposes.
- The project thoroughly analyzed predictions, accuracy, and performance metrics using eight distinct health indicators, including Glucose, BMI, and Age. *GitHub.* **Python**

Students Grade Book (Fall 2023):

- Built a Java grade book app using linked lists to manage, search, and display up to 500 student records. *GitHub.* **Java**

**Relevant Coursework**

- Software Engineering (Spring 2024): Completed a term project using Agile processes, prototyping, and Python API integration, managing documentation and implementation.
- Analysis of Algorithms (Spring 2024): Gained experience in algorithm design, covering sorting, selection, divide-and-conquer, greedy algorithms, and NP-completeness.
- Machine Learning (Spring 2024): Explored fundamental machine learning models and methods in Python, covering regression, neural networks, SVMs, and recommender systems.

## AWARDS AND SOFT SKILLS

- **3rd** place at County Olympiad in Computer Science
- **ECDL Certificate** in Microsoft Office and Internet
- **Microsoft Certified in:** Azure Fundamentals & Security, Compliance, and Identity Fundamentals

Team Collaboration & Leadership • Communication • Time Management • Project Management • Problem-Solving • Critical Thinking