

# Vlad Kurgankin

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## EDUCATION

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### UNIVERSITY OF CENTRAL FLORIDA

Orlando, FL

#### Computer Science BS, Math Minor

August 2023 – May 2026

- Cumulative GPA: 4.0 / 4.0
- Related Coursework: Computer Science I, Computer Science II, Object Oriented Programming, Discrete Math

## EXPERIENCE

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### PALM BEACH SCHOOL DISTRICT

Palm Beach, FL

#### Software Engineer Intern

June 2023 – August 2023

- Developed a platform for elementary, middle and high school students to compete with each other by answering quiz questions based on assigned books
- Utilized React with TypeScript for front-end development, creating dynamic and user-friendly interfaces
- Employed .NET Core with C# for back-end services, building a robust and scalable application architecture
- Designed and implemented a custom database schema, optimizing performance with tailored queries
- Integrated Google Books API to streamline the process of assigning and managing books for quizzes

### ICPC PROGRAMMING TEAM OF UNIVERSITY OF CENTRAL FLORIDA

Orlando, FL

#### Varsity Programming Team Member

September 2023 – Current

- Participated in weekly programming team practices focused on mastering advanced algorithms and data structures
- Attended lectures on advanced algorithms, data structures, and competitive programming techniques to deepen understanding and improve problem-solving efficiency
- Collaborated with teammates to solve challenging competitive programming problems in timed practice contests
- Prepared for ICPC regional and global programming competitions by developing problem-solving strategies under time pressure
- Analyze solutions and optimize code for performance and correctness in a competitive environment

## SELECTED PROJECTS

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### Telegram Hotels Bot

January 2022 - July 2022

- Developed a Telegram bot that helps users find hotels by querying location, price, and rating
- Integrated APIs to fetch and display hotel details, including rating, price, and images, enhancing user experience
- Utilized pyTelegramBotAPI and requests in Python to handle user inputs and API requests
- Implemented dynamic filtering options to allow users to tailor their hotel search based on specific preferences
- Built an intuitive and responsive interface for seamless interaction through the Telegram platform

### Resume Website

April 2023-May 2023

- Developed a resume website utilizing HTML, CSS, and JS with a couple libraries
- Designed every page in Figma for both desktop and mobile devices with determined color scheme and animations

## ACHIEVEMENTS

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- The ICPC 2024 Southeast USA Regional Contest, 2nd Place
- Codeforces rating: 1645 (Expert), top 6% among other users

## ADDITIONAL INFORMATION

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**Skills:** Python, C++, C, C#, Java, JavaScript, TypeScript, SQL, PHP, HTML, CSS, Git, Docker, React, .Net Core, Tailwind, Visual Studio Code

**Certificates:** IT Specialist - Software Development, IT Specialist - Java, IT Specialist - JavaScript, MTA: Windows Operating System Fundamentals, Unity Certified User: Artist, Unity Certified User: Programmer, Adobe Certified Professional in Visual Design, Microsoft Office Specialist: Expert

**Interests:** Competitive Programming, Advanced Math