

# Yevgeniy Ignatov

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## SUMMARY

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Computer Science student with a Mathematics minor at the University of Central Florida. Brings hands-on experience leading operations, training staff, and solving problems quickly, with a foundation in Python, Java, C, and web development. Particular interest in compilers, programming language theory, and AI systems.

## EDUCATION

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**B.S. Computer Science** · University of Central Florida

*Expected 2027 | Orlando, FL*

Minor in Mathematics · STRONG-AI Scholarship Recipient 2024–2026

**Associate of Arts** · Valencia College

*2023 | Orlando, FL*

Certificates: Operations Support and Services · Computer Programming Specialist Track

## TECHNICAL SKILLS

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**Languages:** Python, Java, C, JavaScript, HTML, CSS

**Concepts:** OOP, compilers & parsing, cybersecurity, responsive web design, technical troubleshooting

**Additional:** Hardware installation, configuration support, team training, problem solving

## PROJECTS

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**PL/0 Mini Computer** · Personal Project

Built a complete PL/0 compilation pipeline from scratch - lexer, recursive-descent parser, symbol table with scope tracking, P-code generator, and a stack-machine virtual machine that executes the generated bytecode end-to-end.

- Recursive-descent parser supporting procedures, nested scopes, IF/THEN, and WHILE/DO.
- Code generator emitting P-code targeting a custom virtual machine with activation record stack.
- VM interpreter managing instruction pointer, base register, and dynamic/static link discipline.
- Symbol table enforcing visibility rules, catching undeclared identifiers and duplicate declarations at compile time.
- Tested with recursive algorithms; verified output against expected P-code traces.

**Built with:** C · Compiler design · Stack-machine architecture · Recursive-descent parsing

## EXPERIENCE

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**Assistant General Manager** · Nothing Bundt Cakes

*Feb 2021 – May 2024 | Orlando, FL*

- Managed daily store operations while maintaining strong customer service standards and team coordination.
- Supported a leadership transition after transferring from St. Petersburg to Orlando to stabilize operations.
- Oversaw inventory and supply ordering to reduce operational disruptions; created weekly baking plans.
- Trained new hires on bakery procedures, customer service expectations, and day-to-day tasks.
- Resolved customer issues professionally, maintaining satisfaction and long-term trust.