

# Jake Krayger

Horsham, PA

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## EDUCATION

**West Chester University of Pennsylvania**, West Chester, PA

Bachelor of Science in Computer Science

GPA: 3.4

*Graduated: December 2024*

**Montgomery County Community College**, Blue Bell, PA

Associate of Science in Computer Science

GPA: 3.7

*Graduated: December 2022*

**UPenn LPS Coding Boot Camp**, Philadelphia, PA

*Completed: February 2020 – August 2020*

## Software Development

Jr Software Developer with strong programming, problem-solving, and software design skills. Along with effective communication and collaboration abilities.

- Data Structures and Algorithms
- Object-Oriented Design
- Software Development Life cycle
- Security Vulnerabilities and Best Practices
- Agile methodologies
- Testing and Debugging
- APIs
- Design Patterns
- Databases and SQL
- UML
- Java
- Python

## Projects

### *Compiler*

- Designed and built a Java-based compiler with lexical analysis, parsing, semantic checking, and optimized code generation

### *Java Method Overriding Analyzer*

- Developed a Java program using reflection to analyze and display method overriding relationships in a class hierarchy

### *Java Visitor & Singleton Patterns*

- Refactored a Java GUI with Visitor and Singleton design patterns, using method delegation and polymorphism for structured code organization

**Knowledge demonstrated:** Encapsulation, Inheritance, Polymorphism, Abstraction, Composition, Design Patterns

## Transferable Skills

- Oral and Written Communications
- Positive Teamwork and Collaboration
- Problem-Solving skills
- Analytical Thinking
- GitHub/GitLab
- Microsoft Office Suite
- Mathematical Foundations
- Windows, MacOS, Linux
- Windows/Linux command lines

## EXPERIENCE

**Finance of America**, Horsham, PA

*Assistant Facilities Manager* (December 2018 – February 2020)

- Managed and tracked inventory of office supplies through spreadsheets, monitoring stock levels and ensuring availability for advisors and employees.
- Oversaw office cleanliness and maintenance, coordinating with contractors for repairs and modifications.
- Demonstrated effective communication and organizational skills in a fast-paced environment.