Michael Richard Rigali

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EDUCATION

Oregon State University Computer Science Bachelor's of Science — *Exp'd Spring 2025, Honor Roll*
Baltimore City Community College Physical Therapy Associate's — *Fall 2020, Dean's List*
University of Maryland Kinesiology Bachelor's of Science — *Summer 2017, Dean's List*

RELEVANT EXPERIENCE

- ***Software Engineering Internship | Gnarled Helix LLC | Fall 2022 - Present***
  - Educational Video Game Development Apprenticeship utilizing TypeScript and React
  - Produced clean and efficient code using best practices under supervision of Senior Engineer
  - Created & collaborated with team members to develop interactive responsive tutorials for teaching Javascript.
  - Translated technical information into manageable content for target audience

SOFTWARE DEVELOPMENT PROJECTS

- ***Pokemon Card Collectors Application***
  - A personal project designed for optimizing card collecting via buying low and selling high
  - Written in Python and incorporates frameworks such as Scrapy and Pandas for Data Scripting
  - Integrates statistics based on previous sales to determine the trajectory of a card's price point and potential profit
- ***Hasami Shogi (Japanese Chess)***
  - Interactive multiplayer game designed with hierarchies of classes as well as recursive and iterative algorithms
  - Written in Python using PyCharm as the IDE and supplemented with PyGame for visuals
  - Facilitated understanding of inheritance, polymorphism, abstraction, modularity, separation of concerns and exception handling
- ***Hashmap Implementation***
  - A general-purpose, reusable data structure implementation serving as our capstone project for CS261
  - Corroborates knowledge of properties, interfaces, and behaviors of abstract data types
  - Demonstrates understanding of time complexity, space utilization and iterative constructs
- ***Personal Planner - Productivity Application***
  - Maximizes user productivity by completing and recording daily tasks in a To-do list format
  - Utilized React, JS, HTML, CSS, and Visual Studio Code
  - Used declarative syntax and component based architecture, reusable UI components and efficient state management

LANGUAGES, SKILLS, PROFICIENCIES

Python, React, JavaScript/TypeScript, HTML/CSS, Algorithms, Debugging, Problem Solving, Leadership

RELEVANT COURSES

Web Development, Data Structures, Databases, Assembly & Architecture, Discrete Mathematics

EXTRACURRICULAR ACTIVITIES, AWARDS, ACHIEVEMENTS

OSU Programming Fundamentals Microcredential
Loyola Army ROTC Class Rank: 1/33, Top Cadet
Loyola Army ROTC Academic Award
President's Volunteer Service Award
OSU Leadership Academy & OSU Hackathon
UMD Study Abroad (Genova, Italy)
UMD Competition Boxing Team
Greyhound Leadership Graduate