Michael Richard Rigali

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EDUCATION

Oregon State University Computer Science Bachelor's of Science	*Exp'd Winter 2024, 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 best practices under Senior SWE supervision.
Collaborated with team members to develop interactive and responsive tutorials for teaching Javascript.
Translated technical information into manageable content for target audience.

SOFTWARE DEVELOPMENT PROJECTS

VocabExpander | Python, Flask
Interacts with Merriam Webster REST API and uses HTTP protocol implementation to prepare students for GRE.
Cryptocurrency Trading Bot | Python
Automates crypto trading strategies with Graphical User Interface (GUI) and Binance/Bitmex REST API.
PokeCollect | Python, Flask, MySQL
Enables detailed tracking and storing comprehensive data for collecting Pokemon cards.
Savvy Trainer | Python, Scrapy, Pandas
Optimizes the card collecting process by scraping data from Ebay for the lowest card prices available.
Productivity Personal Planner | JavaScript, React, HTML, CSS
Maximizes user productivity in a To-do list format using reusable UI components for efficient state management.

Hashmap Implementation, Separate Chaining + Open Addressing with Quadratic Probing | Python General-purpose,
reusable data structure implementations with calibrated time complexity.
Hasami Shogi (Japanese Chess) | Python
Interactive multiplayer game designed with hierarchies of classes as well as recursive and iterative algorithms.

LANGUAGES, SKILLS, PROFICIENCIES

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

RELEVANT COURSES

Web Development, Data Structures, Databases, Assembly & Architecture, Discrete Mathematics, Software Engineering, Operating Systems

EXTRACURRICULAR ACTIVITIES, AWARDS, ACHIEVEMENTS

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