

Jimmy Savaryn

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EDUCATION

Marine Academy of Technology and Environmental Science

High School Diploma (GPA: 3.8)

- Coursework: Introduction to Data Science, Data Visualization, Calculus I
- Honors: National Honor Society Member, Maintained Honor Roll every semester

University of Massachusetts Amherst

Bachelor of Science in Computer Science (GPA: 4.0 - 52 credits taken)

- Coursework: Object Oriented Programming, Data Structures, Reasoning Under Uncertainty, Statistics I
- Honors: Maintained Dean's List each semester

LEADERSHIP

Eagle Scout

Boy Scouts of America

2019 - 2025

Manasquan, NJ

- Spearheaded construction of meditation labyrinth for Holy Trinity Church; awarded Eagle Rank 3/12/25
- Explained and recorded weekly meeting plans for Troop 39, spreading information via mass email
- Contributed to various community-oriented initiatives: cleanups, bench-building, Scouting for Food, and more

Executive Producer

MATES TV

2023 – 2025

Manahawkin, NJ

- Led team of students in creating monthly TV-style segments to inform and entertain student body
- Recorded high-quality interview segments; edited all club member segments using DaVinci Resolve
- Communicated often with school faculty to prepare monthly meetings and include events from other clubs

PROJECTS

HackUMass XIII: UMass Meal Plan Wrapped, Lead Backend Developer

umass.food

- Raised awareness of student expenses by calculating cost of UMass meal plan versus individual meal payments
- Converted HTML email tables into lists using BeautifulSoup; extracted statistics using Pandas
- Worked with team in a high-stress, time-constrained environment to complete project in under 36 hours

Student Depression Study, Data Analyst

Manahawkin, NJ

- Created customized animated visualizations in R to display findings to non-technical audience
- Asked and answered questions concerning relationships between personal attributes and presence of depression
- Trained machine learning model with 85% accuracy to predict depression from qualities such as diet

Savings Simulator, Data Analyst

saving-sim.streamlit.app

- Created comparison-based simulator enabling users to understand and act upon spending habits
- Ran Monte Carlo simulation based on variations in transaction history to predict future monthly spending
- Utilized Streamlit for simple, Python-based web development over traditional HTML and CSS

PokéMATES, Game Developer

github.com/LightRiver3010/PokeMATES

- Developed full-length (10+ hours) Pokemon-inspired RPG using Ruby and RPG Maker XP
- Implemented custom game mechanics: gimmicks, trainer AI, creative level design, and progressive difficulty scaling
- Led development team of 3 using Git/GitHub version control; coordinated integration of distinct game areas

Code Clicker, Web Developer

game.savaryn.me

- Created a live, full-length (2+ hours) browser-based video game using HTML, CSS, and JavaScript
- Utilized local browser storage to ensure playability and progression saving without backend server
- Independently learned skills required to build, host, and make browser game fully interactable

WORK EXPERIENCE & COMMUNITY SERVICE

YMCA Camp Zehnder, Lifeguard

2023 – Present

- Ensures constant safety of swimmers through supervision and emergency response protocols
- Recognizes hazards and prevents accidents in a high-volume and high-stress environment

S.A.V.E. Animal Rescue, Volunteer

2020 – 2024

- Provided comprehensive care for cats without homes: cage cleaning, feeding, and socialization
- Discussed pet care and adoption procedures with interested families

SKILLS

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

Data Science & Analytics: Tableau, Pandas, NumPy, Matplotlib, BeautifulSoup, Pygame, Excel

Tools and Methodologies: Git, GitHub, VSCode, Streamlit