

Jimmy Savaryn

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EDUCATION

Marine Academy of Technology and Environmental Science

Manahawkin, NJ

High School Diploma (GPA: 3.8)

Graduated: June 2025

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

University of Massachusetts Amherst

Amherst, MA

Bachelor of Science in Computer Science (GPA: 4.0)

Expected Graduation: May 2029

- Coursework: Object Oriented Programming, Data Structures, Reasoning Under Uncertainty, Statistics I
- Involvement: Cybersecurity Club, CICSofT, Product Club, Club Running

LEADERSHIP

Eagle Scout

2019 - 2025

Boy Scouts of America

Manasquan, NJ

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

Executive Producer

2023 – 2025

MATES TV

Manahawkin, NJ

- Led a team of students in creating monthly TV-style segments to inform and entertain the student body
- Edited high-quality video segments from interviews and student productions using professional tools
- Communicated with school faculty often 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 reports into Python lists using BeautifulSoup, then extracted statistics using Pandas
- Worked with team in a high-stress environment to complete project in under 36 hours

Student Depression Study, Data Analyst

Manahawkin, NJ

- Created highly-customized animated visualizations in R to display findings to a non-technical audience
- Answered questions about the relationship between personal attributes and presence of depression
- Created machine learning model with 85% accuracy to predict depression from qualities such as diet

PokéMATES, Game Developer

github.com/LightRiver3010/PokeMATES

- Developed full-length (10+ hours) Pokemon-inspired RPG featuring custom zones, puzzles, and bosses
- Implemented game mechanics including various gimmicks, trainer AI, and progressive difficulty scaling
- Led development team of 3 using Git/GitHub version control, coordinating integration of distinct game zones

Code Clicker, Web Developer

game.savaryn.me

- Created a live, full-length (2+ hours) browser-based video game where users click buttons to progress
- Used HTML, CSS, and JavaScript to make the game playable from browsers with no need for a backend
- Independently learned all skills required to build and host a browser game, as well as make it fully interactable

Counter Bot, Discord Bot Developer

github.com/LightRiver3010/Discord-Counter-Bot

- Created a Discord bot introducing a competitive score-based mini game into servers for member entertainment
- Deployed bot successfully in an active server of over 20 members
- Increased user interaction by 410% within first week of deployment; increase sustained across following month

WORK EXPERIENCE & COMMUNITY SERVICE

YMCA Camp Zehnder, Lifeguard

2023 – Present

- Ensured constant safety of swimmers through supervision and emergency response protocols
- Responsible for recognizing hazards and preventing accidents in a high-volume and/or high-stress environment

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

2020 – 2024

- Provided comprehensive care for cats without homes, including cage cleaning, feeding, and socialization
- Assisted with adoption process by discussing pet care and adoption procedures with interested families

SKILLS

Programming Languages: Python, Java, HTML, CSS, JavaScript, R, Ruby

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

Tools and Methodologies: Git, GitHub, VSCode, Google Colab, RPG Maker XP, Pokemon Essentials