

# Jimmy Savaryn

(732) 405-0867 — james.savaryn@gmail.com — linkedin.com/in/jsavaryn — github.com/LightRiver3010

## 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*

*Expected Graduation: May 2029*

- Coursework: Object Oriented Programming, Demystifying AI, Calculus II
- Involvement: Cybersecurity Club, CICSof, 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

### 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

### 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

### MLB Game History Study, Data Analyst

*Manahawkin, NJ*

- Analyzed comprehensive MLB dataset, containing 200,000+ rows and 162 columns (1871 to present)
- Created Tableau visualizations and custom scoring algorithms to determine game excitement metrics
- Performed statistical analysis of stadium effects, umpire bias patterns, and managerial decision strategies

### 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