

# Jonathon Delemos

Folsom, CA | 916-220-1158 | [delemos1@seas.upenn.edu](mailto:delemos1@seas.upenn.edu) | [Github](#)

## EDUCATION

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### University of Pennsylvania

Aug. 2025 – Present

*Masters of Science in Engineering in Artificial Intelligence (Expected 2027 Graduation)*

*Philadelphia, PA*

- Coursework: Artificial Intelligence, Natural Language Processing, Machine Learning for Data Science, Statistics for Data Science, Research: Bayes Theorem Mathematics Simplification Paper

### California State University, Sacramento

Aug. 2023 – May 2025 (Graduated)

*Bachelors of Science in Computer Science*

*Sacramento, CA*

- Coursework: Data Structures and Algorithms, Object-Oriented Computer Graphics Programming, Software Engineering, Relational Database Management Systems, Computability Theory, Operating Systems

## SKILLS

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- **Programming Languages:** C#, HTML, CSS, JavaScript, Python, Shell Scripting, Fortran, Excel, Visual Basic
- **Framework/Tools:** .NET, Angular, Git, Linux, Vim, Visual Studio, React, Jira, MongoDB, CLI, Eclipse
- **Database Systems:** PostgreSQL, Oracle SQL, MySQL, MongoDB

## EXPERIENCE

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### Full-Stack Web Developer

Folsom, CA

*Riley Consulting Services LLC*

*Oct 2025 – Present*

- Build State RFI/RFP web applications from storyboard to production using .NET, Angular, TypeScript, C#, and PostgreSQL. Develop PostgreSQL schemas, C# backend services, and Angular front-end components. Manage feature branches in GitHub and submit pull requests for senior review. Author Azure DevOps stories with descriptions, story points, and acceptance criteria. Write xUnit and Playwright tests to cover unit and functional scenarios.

### Director of Operations

Folsom, CA

*Mathnasium, Folsom*

*Dec. 2023 – Present*

- Monitor over two hundred student lesson plans. Develop student lesson plans to align with Folsom educational standards. Teach mathematics from basic arithmetic through advanced calculus. Attend corporate meetings to improve our ability to market the business. Train new instructors on teaching methods and company policies. Assess student strengths and weaknesses and adjust instruction to meet needs.

### Data Structures and Algorithms / Linear Algebra Tutor

United States

*California State University, Sacramento*

*Jan. 2024 – May 2024*

- Provide one-on-one and group tutoring in data structures, algorithms, and linear algebra. Hold one on one sessions to clarify concepts and solve problems. Develop and deliver instructional materials, including lecture notes, practice problems, and study guides. Assess student understanding and provide targeted explanations to improve problem-solving skills.

### Technical Consultant

Aug. 2024 – October 2024

*timothy J. Durbin Inc.*

*United States*

- Write scripts to filter excel spreadsheet data. Provide technical advice to senior engineering team on tools, algorithms, and time complexity. Collaborate with engineers to integrate algorithms into existing systems and provide technical support. Offer solutions to integrate artificial intelligence models into company workflows. On call for support.

## PROJECTS

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### Machine Learning - Computer Vision - Target Moving Objects: Roboflow/yolov8

- Built a model to detect and differentiate moving objects on screen for monitoring and prediction workflows
- Created a custom dataset by capturing screenshots and annotating targets; trained on 100+ labeled samples
- Trained the model using Roboflow and yolov8, iterating to achieve best-weight performance
- Implemented a Python script to capture screen activity, run inference, and output target coordinates

### Near Earth Object Working System (NeOWS) NASA API Program Development/Testing

- Built a program that calls the NASA API to capture and analyze near-Earth objects
- Extracted orbital parameters such as semi-major axis, eccentricity, and inclination to forecast positions
- Captured size and mass data to estimate potential impact energy and collision risk