

Thomas Meehan

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PROFILE

I am a machine learning engineer, data scientist, software engineer, and lawyer pursuing freelance machine learning and software work, particularly in my specialty of natural language processing. My eclectic background proves I can thrive across disparate domains, leveraging my unique combination of excellent problem-solving and imaginative abilities; math and software expertise; and soft skills to solve difficult, novel problems individually and as part of a team.

SKILLS

- Python | R | MATLAB | Julia
- PyTorch | Hugging Face
- TensorFlow | Keras
- spaCY | NLTK | CoreNLP
- SciPy | NumPy | Pandas | SQLA
- Tableau | Matplotlib | seaborn
- LLMs | Transformers
- LSTMs | RNNs | CNNs
- Markov Chains | Bayes Nets
- SQL: [My | Postgre | MS] SQL
- NoSQL: MongoDB | Redis
- Multivariable Calculus
- Linear Algebra | Predicate Logic
- Mathematical Stats/Probability
- C# | .NET | Azure CI/CD
- Java | Type/JavaScript | C++ | C
- Flutter | Capacitor | Swift
- React/Next.js | Vue | Angular
- Oral/Written Communication
- Leadership | Mentoring

PERSONAL PROJECTS

- Developing LLM-powered legal document drafting software.
- Completed an iOS piano app using signal processing and NLP.
- Creating a voting analytics app.

BAR ADMISSION (ACTIVE)

- Pennsylvania (2021)

PERSONAL INTERESTS

- Writing a philosophical, political novel set in a temporally-unstable mythical fantasy world.
- Piano | Violin
- Tennis | Hiking | Exercising
- Reading (philosophy/Russian lit)
- [Coffee | Chai | Matcha] Brewing
- Wine | Scotch | Charcuterie
- EDM | Indie | Classical | Rap
- JRPGs | MMOs | FPSs | RPGs

EXPERIENCE

SHO TECHNOLOGY SOLUTIONS, LLC

Software Engineer

Scranton, PA

April 2022- Present

- Worked as a full stack engineer creating web, desktop, iOS, and Android applications.
- Led development teams by communicating with clients, ensuring junior developers understood and adhered to story requirements, and approving/rejecting pull requests.
- Designed and implemented a machine learning model that utilizes current river streamflow and weather data to accurately predict future streamflow levels.
- Architected a full stack .NET web app adhering to the “Clean Architecture” paradigm.
- Led a five-developer team that used Capacitor to create a Vue web, iOS, and Android client portal for a large regional health company. Also created the Azure CI/CD.
- Developed a .NET web application that continuously fetches river streamflow data, updates a database, generates Excel reports, and notifies users of abnormal readings. Also created an Azure Logic App Recurrence to schedule and run it.
- Created optimized SQL stored procedures and C# LINQ queries to efficiently aggregate data from numerous database tables, enabling a Concussion testing application’s users to quickly generate custom, complex Excel reports.
- Developed both the Angular frontend and C# backend of a legal aid organization’s client, attorney, and case management system. Also regularly met with the client’s chief executive to explain changes and solicit feedback.
- Wrote the proposal and led marketing and early development for proffered work creating a luxury countertop manufacturer’s order intake and service request system.
- Routinely fixed pre-existing, difficult bugs for a billion-dollar imaging company.
- Created both the React/Next.js frontend and C# backend of a billion-dollar company’s site management portal, enabling employees to update site parameters and generate custom, site-specific Excel reports.
- Utilized Swift/Objective-C and Kotlin/Java to upgrade a health company’s iOS and Android apps. Both added new functionality and updated the existing UI.
- Added Capacitor and Azure CI/CD to a proprietary React “custom form” application.

US ATTORNEY’S OFFICE, EASTERN DISTRICT OF PENNSYLVANIA

Judicial Intern, Criminal and Civil Divisions

Philadelphia, PA

Summer 2018

- Performed legal research and authored legal documents such as briefs and memoranda.
- Wrote the government’s response to an inmate’s 28 U.S.C. § 2255 Motion to Vacate Sentence. The supervising attorney submitted this response to a federal court.

EDUCATION

UNIVERSITY OF SCRANTON

Bachelor of Science, summa cum laude, in Computer Science (4.0 GPA)

SCRANTON, PA

May 2023

Honors: Excellence in Computer Science Award (4.0 GPA/Highest in Major), Upsilon Pi Epsilon Honor Society for the Computing Sciences, Dean’s List (All Semesters)

Relevant Courses: Artificial Intelligence, Data Structures & Algorithms, Software Engineering, Database Systems, Operating Systems, Computer Architecture, Networking, Machine Org/Assembly, Theoretical Computer Science, Programming Languages, Multivariable Calculus, Linear Algebra, Mathematical Stats & Probability, Discrete Math

GEORGETOWN UNIVERSITY LAW CENTER

Juris Doctor, cum laude (Top 5% of First-Year Class)

Washington, D.C

May 2020

Honors: CALI Award (Best First-Year Exam Out of Hundreds), Received a Personalized Letter From the Dean Urging Me to Apply for a Highly Selective Federal Appellate Clerkship, Dean’s List (First and Second Year), Legal Research & Writing Law Fellow
Activities: Georgetown Law Rugby Treasurer, Corporate & Financial Law Organization

UNIVERSITY OF SCRANTON

Bachelor of Science, summa cum laude, in Economics

Scranton, PA

May 2017

Honors: Excellence in Economics Award (Highest GPA in Major), Omicron Delta Epsilon International Economics Honor Society, Student Government Senator, CFA Institute Research Challenge Team Lead, Dean’s List (All Semesters)