

# Eric Sclafani

## SOFTWARE DEVELOPER

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## Experience

### Junior .NET Developer

Brooklyn, NY

KINGS COUNTY DISTRICT ATTORNEY'S OFFICE

April 2024 - Present

- Within first month of employment, developed RESTful application written in Angular and ASP.NET for legal staff to perform CRUD operations on lookup tables in SQL Server database...
- Wrote T-SQL stored procedures in SQL Server...
- Translated application requirements from legal staff into ...
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### Research Project Assistant

Stony Brook, NY

U.S. GOVERNMENT RESEARCH PROGRAM: IARPA HIATUS

October 2022 - August 2023

- Worked on a federal research project funded by the Intelligence Advanced Research Projects Activity (IARPA) called HIA-TUS, which focuses on authorship attribution, the task of automatically identifying the author of a document
- Developed Gram2Vec, a Python package utilizing spaCy and Pandas to convert text into vectors based on writing style. Differs from other embedding algorithms like Word2Vec in that each vector position corresponds to a concrete feature pertaining to grammar usage. This makes the document vectors interpretable, a desirable property that Word2Vec vectors lack
- Collaborated with team members to compile monthly progress reports

## Projects

### Gram2Vec

🌐 eric-sclafani/gram2vec

PYTHON LIBRARY

November 2022 - August 2023

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## Skills

**Frontend** JavaScript, TypeScript, HTML, CSS, Angular, VueJS, jQuery, Ajax, RxJS, Bootstrap, SCSS

**Backend** SQL Server, ASP.NET Core, T-SQL, C#, MVC, Python, FastAPI

**Data Analysis** Pandas, Scikit-Learn, NumPy, spaCy, Plotly, Matplotlib

**Tools** Excel, Git, Visual Studio, Linux

## Education

### M.A. Computational Linguistics

Stony Brook, NY

STONY BROOK UNIVERSITY

August 2021 - May 2023

### B.A. Linguistics

Stony Brook, NY

STONY BROOK UNIVERSITY

August 2019 - May 2021