

# JAMIE NAGY

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## Web Developer & Python Developer

Queens, NY | 929-235-6708 | yuqiye093@gmail.com | <https://honey meat.github.io/>

### CAREER SUMMARY:

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Full Stack Developer skilled in React, Vue.js, Node.js, Flask, Django and database technologies (PostgreSQL, MongoDB), complemented by a strong Python background in automation, web scraping, data science, and machine learning. Experienced in full development cycle.

### WORK EXPERIENCE:

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#### Full Stack Web Developer & Solutions Architect

Freelance | Nov 2023 - Present

- Independently design and develop websites that fully satisfy client requirements.
- Offer a wide array of solutions, including bug resolution, automation bot design, development process guidance, graphical user interface creation, and the development of algorithms and models.

#### Medical Office Receptionist

AE & LY Medical Associates, PLLC | June 2022 - Present

- Efficiently multitasked administrative duties and maintained an organized front desk, improving patient experiences through excellent customer service.
- Handled patient inquiries, scheduled appointments, and ensured effective communication between patients and healthcare professionals.

#### Waiter

So Far So Good | April 2021 - June 2022

### EDUCATION:

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#### CUNY Queensborough Community College | 2022-2024

Associate in Science - Computer Science and Information Security

Will Enroll in another college in Fall 2024 to pursue Bachelor's Degree

### PROJECT:

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For a complete portfolio, visit <https://honey meat.github.io/>

#### Echoreads - <https://echoreads.vercel.app/>

#### *Fully Independent Work*

An Article sharing full stack web app with advanced features and RESTful API designed & developed entirely by myself. Developed using React, Node.js, Express, and PostgreSQL, featuring a responsive and accessible design with Bootstrap, CSS, and SCSS.

- Implemented secure authentication with email/password, Google OAuth, and Google reCAPTCHA v3, alongside HTTPS and cookie management.
- Managing CORS settings to ensure secure cross-origin requests and implemented partitioned cookies to adapt to Chrome's latest security policy in 2024
- Utilize SMTP to automatically dispatch verification codes and subscription confirmation emails to users.
- Crafted a secure RESTful API with advanced validation to prevent unauthorized access and SQL injections, supporting complex query parameters for customized content.
- Enabled user features like creating, editing, deleting posts, endorsing and commenting others' posts. Images are managed through GCP cloud storage. Posts include categories and tags managed via a structured database.

- Optimized performance using React hooks and modern backend coding strategies, with a user-friendly profile management system.
- Integrated a backend-powered search functionality for posts.

### Space Flight Mission Outcome Prediction

### *Fully Independent Work*

Developed predictive models to forecast space flight mission outcomes, focusing on accuracy and failure detection. Expertly managed data preprocessing and applied a range of machine learning models, demonstrating proficiency in Python, Pandas, NumPy, and Scikit-learn:

- Developed a custom bot using Selenium to scrape global space flight data spanning from 1957 to the present.
- Created compelling data visualizations using Plotly Express, Matplotlib, and Seaborn.
- Implemented Random Forest with balanced weights and XGBoost with hyperparameter tuning to optimize performance.
- Utilized SMOTE for class imbalance and developed ensemble methods, including a Voting Classifier and a Stacked Ensemble with Logistic Regression.
- Enhanced model confidence with a Calibrated Ensemble and prioritized minority class recall with a custom-tuned XGBoost.
- Employed SHAP for feature importance analysis, guiding interaction term engineering to improve model interpretability and accuracy.
- Demonstrated advanced model evaluation skills, optimizing for precision-recall balance and employing GridSearchCV for systematic hyperparameter tuning across various models.

## SKILLS:

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### Front End Development:

- React.js
- Vue.js
- HTML, CSS, JavaScript(ES6+)
- TypeScript
- SCSS
- Bootstrap
- Git & GitHub
- Webpack & NPM
- Jest, Storybook, Cypress, TestCafe

### Back End Development:

- Node.js & Express.js
- RESTful API design
- Third-party APIs
- GraphQL Architecture
- PostgreSQL & MongoDB
- JWT & OAuth 2.0
- AWS & GCP & Azure
- Microservices Architecture
- Security Management

### Python Development:

- Selenium
- BeautifulSoup
- Flask
- Django
- Tkinter
- Pygame

### Data Science & Machine Learning & AI:

- Pandas
- Numpy
- Plotly & Matplotlib & Seaborn
- Scikit-Learn
- Tensorflow
- Statsmodels
- Keras
- Advanced Mathematics