

Midyan Elghazali

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EDUCATION

City University of New York, Hunter College

New York, NY

Bachelors in Computer Science, Minor in Mathematics

Expected Graduation: May 2025

- **Relevant Coursework:** Data Structures, Computer Algorithms, Software Analysis, Statistics, Operating Systems

EXPERIENCE

IT Universum, **IT Intern**

May 2021 - Jul 2021

- Investigated 120+ computers and workstations weekly by installing latest updates to ensure company equipment are functional to prevent 80% downtime
- Troubleshoot 30+ requests daily with Jira tracking software by corresponding through online live chats, telecommunications, and email messages
- Outlined 10+ page training documentation by consulting with managers and technicians to establish user-friendly documentation for non-technical personnel

Mood Labs, **Software Developer Intern**

Jun 2021 - Aug 2021

- Implemented sticker notifications by consulting with client weekly, referencing open source Discord.js documentation, and code reviews
- Implemented interactive emote animations by combining 30+ sprite images with Discord.js library and research modern designs to create smooth transitions for upcoming contest

SKILLS

- **Programming Languages:** C++, JavaScript, Python, Java
- **Tools:** HTML/CSS, React.js, Node.js, Express.js, Jira, Neural Network Development, Full-Stack Web Development, Backend Development, API Integration, Database Management, Data Handling, Bot Development, Real-time Data Processing, User Authentication, Security Protocols, Data Storage and Retrieval, User Engagement Features, Interactive Systems, File Management, Automated Moderation.
- **Hardware:** macOS, Windows, Copper and Fiber Optic Cabling, Arduino, Soldering
- **Certifications:** CompTIA ITF+ | MTA Sec. Fund. '21 (Microsoft) | MTA Net. Fund. '21 (Microsoft) | MTA Win. OS Fund. '20 (Microsoft) | Living Online (Certiport) | Key Apps (Certiport) | Comp. Fund. (Certiport)

PROJECTS

Clanotea, **Tech Stack: Node.js, MongoDB, Dropbox API, Cookies & Tokens for Authentication** **Sep 2023 - Present**

- Designed and developed a minimalist note-sharing website using JavaScript, HTML/CSS, and Node.js, integrating Dropbox API for efficient storage and retrieval of notes. Deployed the platform on Heroku for robust cloud hosting, ensuring scalable user access.
- Implemented comprehensive admin privileges and secure login authentication with Express.js, maintaining high standards for content safety and public viewing. Established rigorous content guidelines and controls to restrict uploads that do not meet the set criteria.

Neural Network Library, **Tech Stack: C++**

Jun 2022 - Sep 2022

- Developed a custom neural network library in C++ as an educational tool for AI and ML. Features include customizable architecture, activation functions (Sigmoid, ReLU), and backpropagation training and testing.
- Practical Application and User Accessibility: Implemented regularization techniques (L1, L2) to prevent overfitting and included a learning rate adjustment feature. Provided easy installation with a modern C++ compiler.

ORGANIZATIONS

Basta, **Fellow**

Sep 2023 - Present

- Committing 50+ hours towards rigorous career prep designed to support first-generation college students and secure entry-level roles

Google Software Engineering Program (G-SWEP) via ProjectBasta, **Tech Participant**

Oct 2023 - Present

- Selected as one of 80 participants, outperforming 350+ applicants, to participate in 10 weeks of rigorous, technical mentoring sessions with a Google SWE and attend workshops designed to enhance technical problem-solving and interview skills.