

# Elijah “Lijah” C. Nicpon (They/Any)

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## Education & Certifications

**Georgia Institute of Technology | Atlanta, GA**

Candidate for Bachelor of Science in Computer Science, GPA: 3.93

*Fall 2021 – Present*

*Expected Graduation: December 2024*

**Lean and Six Sigma Green Belt** | Administered by IISE

*September 2023*

## Skills

**Programming:** Python (poetry, pandas, sklearn, deap, ArcPy), JavaScript (React, Angular, Vue), Java (Spring), C, R, Go, Dart  
**Tools:** Adobe Creative Cloud Suite, Angular, AngularJS, Apache Tomcat, ArcGIS, Azure (Functions, Logic Apps, Blob Storage), AWS (DynamoDB, Lambda, CloudWatch) Canva, Docker, ELK Stack, Figma, Flutter, Git, GitHub/GitLab Actions, Kubernetes, MS Teams, MongoDB, MySQL, Postman, Power BI, Processing, React, Sentry, Slack API, Snowflake, Splunk, Streamlit, Swagger, Terraform, Tines, VirtualBox, Vue, Wireshark

## Experience

**Lockchain** *The all-in-one AI to manage risk in crypto.*

*Software Engineering Associate (Part-Time)*

*August 2024 – Present*

- Added support for wallet transaction monitoring on UTXO chains, including BTC, BCH, and SOL. Added monitoring and various indices, reducing system latency by 90%.
- Proposed and integrated Sentry to track and manage errors across stack, decreasing response time and platform resiliency.
- Formulated 2025 winter internship program from end-to-end. Designed unique technical and culture interviews, engaging recruitment strategies, and an impactful mentorship program aimed to promote excellency, equity, and growth.

*Software Engineering Intern (Part-Time)*

*March 2024 – May 2024*

- Designed and integrated client-facing custom Slack notification bot into existing notification system in Python, hosted with AWS Route54, CloudWatch, DynamoDB, and Lambda, increasing customer response time and platform engagement.
- Contributed to AI-powered backend and administrative console and API with AppSmith, Poetry, and Langfuse, AWS DynamoDB.

**MongoDB** *A developer data platform*

*Software Engineering Intern, Cloud Insights and Telemetry*

*June 2024 – August 2024*

- Built data pipeline to increase monitoring capabilities to better understand customer needs, with Go, Java, and AWS Kinesis
  - Added new data collector to the MongoDB Agent, which runs alongside active deployments and queries desired data, exporting to control plane, written in Go
  - Built new endpoint on control plane, which processed, tokenized, and exported data to AWS Kinesis, written in Java
  - Ensured stability of the above components with rigorous unit, integration, and end-to-end tests
- Formalized software engineering processes, including regular contributions to documentation and leading tech syncs

**Kudelski Security** *A global managed security services provider*

*Full Stack Software Engineering Intern (Part-Time)*

*May 2023 – March 2024*

- Designed phishing email detection pipeline, leveraging Azure Logic Apps, Azure Functions, Blob Storage, and the Microsoft OpenAI Service to decrease load of false reports on analysts, building a constantly evolving phishing email dataset to train classification models, implemented on the Nagra-Kudelski Group’s 4000 user network, providing relevant report feedback, increasing cybersecurity awareness.
- Developed sales and evaluation tools with Snowflake and Streamlit to provide compelling visualizations to aid sales. Hosted tools with CICD pipeline leveraging Docker and Kubernetes for secure company-wide access, responded to feature requests for improved accessibility and usage.

*Full Stack Software Engineering Co-Op*

*January – April 2023*

- Built front-to-back SIEM rule execution monitoring application with technologies including Spring, Vue, and ArangoDB.
- Developed repository monitoring dashboard with Snowflake and Power BI to identify vulnerabilities in company projects.
- Independently developed and pitched improved company blog project to increase brand awareness and customer engagement.

*DevOps Software Engineering Co-Op*

*May – August 2022*

- Contributed resumable chunking upload mechanism to Apache Guacamole, a FOSS clientless remote desktop project with 50M+ Docker Hub pulls, written in Java, AngularJS, and C. [Guacamole-1320 merged 7/30/2022] allows users to exceed CDN-imposed upload limits and resume interrupted uploads, increasing incident response time and application resilience.
- Designed a user interface for a new blockchain security application in Figma. The design included both mobile and web frameworks for a customizable, user-first application for corporate to personal blockchain use cases.

- Completed prototype of cross-cluster Elasticsearch instance capable of detecting pre-existing clusters, hosted by Elastic Cloud, and orchestrated with Terraform. Resulted in increased vulnerability detection speed and greater project scalability.

### **Georgia Institute of Technology, Tutoring and Academic Support (TAS)**

*February – December 2023*

- PLUS Leader (i.e. group tutor) for Data Structures and Algorithms & Object Oriented Programming

### **NewFields Environmental Services** *A mid-sized environmental, engineering, and construction consulting firm*

*May – August 2021*

#### **Data Analyst & Software Engineering Intern**

- Performed environmental justice analysis for GA Power with R, earning a contract with Southern Company's entire portfolio.
- Developed a library of ArcGIS database tools with ArcPy (Python 2.7), increasing departmental productivity.
- Developed various geospatial data scraping, intake, and management tools in Python (pandas, bs4, arcpy) according to clientele needs, including table-scanning software that took in images of tables Adobe OCR failed to read, and exported CSVs.

## **Projects**

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### **Spoony.ai** *A B2B SaaS Platform for restaurants to understand and engage their customers*

#### **Co-Founder, Head of Product**

*February 2024 – April 2024*

- Zero-to-MVP in 2 months, performed product/market fit analyses, developed MVP frontend, mockups, and VC pitch.
- Klaus Pitch Challenge 2024 Finalist

### **Automated Algorithm Design** *developing an ML framework that fundamentally alters the development of algorithms*

*January 2022 – May 2023*

#### **Project Manager & Founder - Stocks Team | Georgia Tech Vertically Integrated Projects (VIP) Program**

- Completed three semesters of research for my junior design. Created and managed a new sub-team, focusing on tailoring our multi-objective genetic machine learning framework to predict the stock market and build optimized stock portfolios, enriched with 10Q and 10K data.

**Plan(t)** *Project Manager for plant planning application that utilizes a custom IOT sensor to provide outdoor plant recommendations, written in Flutter. (On my GitHub)*

**SonicML** *An audio-based application for monitoring long-term machine learning training processes to decrease costs and improve quality of life. (On my GitHub)*

**Fish** *An educational Game Boy Advance video game about saving our oceans, written in C, with original artwork. (On my GitHub)*

**BarbieBell & KENoa** *Chatbot duo of personal trainer and nutritionist, made with Streamlit, OpenAI, MongoDB Vector Store, for Hacklytics24. (On my GitHub)*

## **Involvements and Interests**

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**Scouts of America** (Formerly Boy Scouts of America) | Eagle Scout

**Georgia Tech Filipino Student Association** | 2022-2023 Family Director

**Assorted Extracurricular Involvements and Interests** | Graphic Art, Mechanical Keyboards, Piano, Ukulele, Coffee, Cooking, Dance, Volleyball, Camping, Climbing, Photography and Oxford Commas