JOHN "JACK" KELLY

Cybersecurity Engineer

📍 Chicago, IL   📞 (708) 738-5223   @ JackKelly423@gmail.com   🔗 JKelly423   JKelly423

EXPERIENCE

Software Engineer - Intern
StoneX Group

📅 Jun 2023 – Aug 2023   📍 Chicago, IL

- Maintained web applications to support Institutional Futures position management through an online portal
- Implemented complex state management in React with Redux and Redux-Saga
- Abstracted legacy code to be less cognitively complex, thus improving development experience
- Effectively used Azure CI/CD pipelines to streamline deployments

Information Security / Sales Intern
MSP Manufacturing

📅 Apr 2022 – Sep 2022   📍 Bloomington, IN

- Ensured Cybersecurity Maturity Model Certification (CMMC) compliance through off-site data migration, the protection of Controlled Unclassified Information (CUI), the protection of Federal Contract Information (FCI), and the implementation of proper access control
- Developed a proactive digital marketing and sales strategy resulting in over $16,000 of purchase orders from Commercial and Government Entities
- Designed and implemented web automation software to automate routine daily tasks resulting in over 520 man-hours saved annually

PROJECTS

SqueezeNet
Python

📅 Jan 2023 – May 2023   </> Sklearn, Pandas, Seaborn

- Uses a Random Forest Regressor to explore the relationship between Reddit r/WallStreetBets post activity and Gamestop (Ticker: GME) stock price during the short squeeze of early 2021
- Showcases how we can use different machine learning algorithms to gain insights into complex real-world problems
- Utilizes sentiment analysis to determine positivity/negativity for a given day's Reddit activity
- Posts made on a weekend or after market close will roll over to the next business day
- Demonstrates proficiency in publication of report findings in an article format

Kelly Insurance Auto MC-Number Lookup Tool
Node.js

📅 Nov 2019 – Feb 2020   </> Electron, Puppeteer, Asynchronous

- A Web automation program built on the Electron framework using Node.js
- Bypasses Google's reCAPTCHA v3 verification and submits search queries; returning saved HTML and CSV reports containing relevant client information
- Reduced labor cost amounting to 10 hours weekly

EDUCATION

B.S. in Computer Science
Indiana University   📍 Bloomington, IN

📅 Expected Graduation: May 2024

- **Specialization:** Security
- **Minor:** Entrepreneurship and Small Business Management
- Dean's List | Fall 2022
- Studied *Artificial Neural Networks & Deep Learning* at the Danish Institute for Study Abroad in Copenhagen, Denmark | Spring 2023
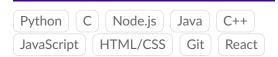
M.S. in Secure Computing
Indiana University   📍 Bloomington, IN

📅 Expected Graduation: May 2025

- Accelerated 5 Year Master's Program

PROGRAMMING

Python   C   Node.js   Java   C++
JavaScript   HTML/CSS   Git   React

SKILLS

Algorithms & Data Structures
Design Patterns   Remote Development
Machine Learning   Formal Logic
Troubleshooting   Experimentation
Cryptography   Information Theory
Software Development Lifecycle

Windows   Linux   Microsoft Office
Azure DevOps   VS Code   IntelliJ IDEA

CERTIFICATION

CompTIA A+ Certification
CompTIA

📅 July 2021

STRENGTHS

Oral and Written Communication
Reliable and Consistent   Team Building
Committed to Lifelong Learning