Alex Kim

(703)380-5515 | *alexjoonkim02@gmail.com* | *20327 Kiawah Island Drive, Ashburn, VA 20147*
https://www.linkedin.com/in/alex-kim-917bb81a5 | *https://github.com/ajk3158* | *https://aboutalexkim.github.io/*

EDUCATION

University of Virginia, Charlottesville, VA   *Expected Graduation May 2024*

B.S. Computer Science with Engineering Business Minor | Cumulative GPA: 3.628/4.0
Relevant Coursework: Computer Architecture, Software Development Methods, Cybersecurity, Linear Algebra, Program & Data Representation, Digital Logic Design, Theory of Computation, Advanced Software Development, Algorithms, Machine Learning, Software Testing, Databases, Operating Systems, New Product Development, Artificial Intelligence, PL for Web Applications

RELEVANT EXPERIENCE

MITRE   **McLean, VA**
Software Engineering Intern (Clearance: DOD-Interim Secret)   *May 2023-Present*
- Given problem of training data shortage, independently created an AI generative text model using a Variational Autoencoder, Seq2Seq architecture, and LSTM to produce needed training data used to improve performance of overall project ML models
- Achieved impressive algorithm performance and added new features for the Potential Hazard Identification via AI capability through teamwork with software team and fast adaptability/concentration in Artificial Intelligence/Machine Learning tech.
- Provided significant contribution to PHIAI algorithm API integration using Full-Stack/Web Application development skills

Red Edge, LLC   **Arlington, VA**
Web Development Intern   *May 2022-Aug 2022*
- Independently created web-based professional ad dashboard for Red Edge advertisement team allowing users to display important advertisement statistics to clients. Full-Stack tech. included Laravel, React, JavaScript, PHP, and integrated APIs
- Practiced communication, adaptability, & leadership in the software team developing web applications for several politically important clients and Red Edge itself. Independently took the responsibility of fulfilling several clients' full-stack needs

UVA Development Hub   **Charlottesville, VA**
Software Development Intern   *Aug 2021-May 2022*
- Served as a front-end developer within software team to create agile-managed web application that provided information to university students/visitors about UVA's buildings. Managed/designed homepage user interface through HTML/JS/Bootstrap
- Provided creative software solutions to problems held by organization partnered clients and the UVA community by communicating with the software development team, adapting/learning quickly to new technologies, and critical thinking

Forge   **Charlottesville, VA**
"Node" Data Science Trainee   *Sep 2020-Nov 2020*
- Ten-week data science training camp which taught core data literacy skills including data cleaning/manipulation, machine learning, and web scraping through extensive team-focused problem solving, labs, and Python programming

PERSONAL/OTHER PROJECT EXPERIENCE

- Independently developing nutrition-focused web application to motivate athletes to make informed dieting decisions through dynamic food recommendation algorithm and full-stack tech. including React, PostgreSQL, Express, & Node.js.2023-Present
- Led hackathon team to develop and present a stacking classifier-based machine learning algorithm that could identify specific Phishing links out of a set of website links with top-ranking performance at MITRE's Data Science Hackathon. 2023
- Served as a Scrum Master to create an agile-managed full-stack web application that provides users the ability to create/coordinate movie watch parties in a social media format. Utilized Django, MVC Frameworks, & technical APIs. 2022

ACTIVITIES AND LEADERSHIP

Theta Tau Engineering Fraternity   **Charlottesville, VA**
Treasurer/Brother   *Jan 2021-Present*
- Managed/allocated fraternity finances for professional networking events, service events, and the executive board of officers
- Responsible for semester budgets, adaptability/initiative in financial emergencies, and teamwork with Theta Tau nationals

Riverside Class of 2020   **Leesburg, VA**
Class Treasurer and Class Officer   *August 2016-June 2019*
- Served as a leader for 450+ students with practiced skills in communication, event planning, teamwork, and fund allocation
- Accomplishments: Successfully gathered/managed over $32,000 through events, fundraising, etc. singlehandedly, attended monthly meetings with head of school, organized/managed an event for over 800+ students, established professional relationships with local businesses

SKILLS AND CLASS PROJECTS

- **Skills:** C++, Python, Java, Bootstrap, HTML, CSS, JavaScript, Docker, Git, Django, Full Stack, ML/AI, LSTM, CNNs, RNNs, Data Science, Keras, jQuery, PHP, Laravel, React, Next.js, SQL, API integration, Deep Learning, Web Scraping
- **Projects:** Recognizing UVA Landmarks with CNNs, Boston Housing Prices Predictor using tuned ML models, Non-linear Data Classification using Self-Implemented ANN, Bash Shell Script Programming, 8 Puzzle Problem Solver, etc.