

# Lily Khochareun

(571) 359-7210 | [lilykhochareun@gmail.com](mailto:lilykhochareun@gmail.com) | [linkedin.com/in/lilykhoch/](https://www.linkedin.com/in/lilykhoch/)

## EDUCATION

---

Virginia Tech, Blacksburg, VA

August 2020 - May 2023

B.S. Computer Science

GPA: 3.47

- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Software Design, Computer Organization I & II, HCI, Intermediate Software Development, Intro Comp Bioinformatics, Problem Solving in CS, and Database

## RELEVANT EXPERIENCE

---

Lockheed Martin Intern

June 2022 - Present

- Implemented and updated an application that leverages TruffleHog to scan Gitlab repositories using **JavaScript** and **Python** with regex matches to identify possible key leaks
- Executed database assessment and vulnerability scans using SecureSphere Discovery and Assessment Server virtual appliance from **Imperva** to provide customers with reports of possible threats
- Updated and reorganized **Splunk** dashboards to provide better visualizations of data
- Engaged in **Agile Methodology**: Daily Scrum, Two-Week Sprints, Active Customer Collaboration

Undergraduate Teaching Assistant

August 2022 - December 2022

- Assisted the professor and students in the first-year engineering class at Virginia Tech
- Taught and mentored students in **MATLAB** and **SOLIDWORKS**
- Hosted office hours and lab sections to reinforce programming concepts and assignments

## EXTRACURRICULARS

---

Virginia Tech Philharmonic Orchestra

January 2022 - Present

- Performed with a full symphony focusing on standard repertoire as well as on works from underrepresented composers on a high artistic level

Virginia Tech SASE Society of Asian Scientists and Engineers

August 2021 - Present

- Mentored underclassmen and helped them through their first year of college and showed them the different professional opportunities available

Robotics

August 2010 - May 2022

- Built robots for team competitions utilizing **C**, **Autodesk Inventor**, hardware skills( CNC, milling, lathe, etc), and my 10+ years of experience in FLL, FTC, FRC, and VEX to compete in local, regional, and global competitions
- Enhanced my critical thinking, teamwork, and troubleshooting skills by re-engineering the robot throughout the season to increase our prospects of winning

Virginia Tech College of Engineering CEED Peer Mentoring Program

August 2020 - December 2020

- Mentored and helped first year students with the transition from high school to college throughout their first semester of college by connecting them with school faculty, finding campus resources, and exploring undergraduate research

## SKILLS

---

PROGRAMS

Visual Studio, Autodesk Inventor, Onshape, Jira, SOLIDWORKS

PROGRAMMING LANGUAGES

Java, C, Python, and MATLAB

CERTIFICATIONS

Database Specialist Certificate | Network Engineering Specialist