

Noah R. Rogers

512 S 3rd Street, Champaign, IL 61820 Apt 212 • 309-265-2984 • noahrr2@illinois.edu • [nnrogers515.github.io](https://github.com/nnrogers515)

EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

Bachelor of Science in Engineering Physics
GPA: 4.0/4.0

May 2021

Major in Engineering Physics
Minor in Computer Science

ILLINOIS CENTRAL COLLEGE - EAST PEORIA

Associate in Science Degree
GPA: 4.0/4.0

May 2019

Major in Physics

PROJECT HIGHLIGHTS

PASSWORD ENCRYPTION APPLICATION (CERBERUS)

December 2019 - Current

- Produced a Graphical User Interface and adjusted the GUI based on co-developer critique
- Implemented unique encryption algorithm with one-way encryptions
- Maintained the app locally to machines with accessibility to prevent server security issues

KOTLIN DATA SCIENCE - COVID-19 DATA VISUALIZATION

January 2020 - May 2020

- Collaborated with co-developer to collect and display data using a website hosted on a KTOR server
- Created website for displaying charts and information using Kotlin DSL for HTML libraries
- Utilized Kotlin Coroutines to allow for live updates and data pulls for displayed chart data

AMERICAN SIGN LANGUAGE (ASL) RECOGNITION

August 2019 - December 2019

- Developed ML model utilizing CNNs to recognize ASL fingerspelling from images
- Utilized tools such as Pytorch, Flask, NumPy, and OpenCV to develop and run the ML model
- Created a website via Flask to host and update the model, allowing for easy user access

WORK EXPERIENCE

STATE FARM RESEARCH AND DEVELOPMENT CENTER - CHAMPAIGN, IL

May 2020 - Current

Enterprise Technology Intern

- Developed a new CaaS testing environment that allows team members to update without disrupting production
- Improved tool performance by upgrading from legacy Grafana software to Chart.js, which improved efficiency and decreased errors
- Applied Agile Methodologies in daily work using sprint planning, scrum boards, and retrospectives through tools such as Version1 and Git

CUSTOM POWER PRODUCTS - EDELSTEIN, IL

May 2019 - August 2019

Work Instructions Creator

- Designed understandable work instructions for new machines/programs to support workers
- Resolved problems for equipment/technologies through a variety of troubleshooting techniques to ensure workflow efficiency
- Quickly interpreted and understood new software for creating work instructions

ACADEMIC SUPPORT CENTER - EAST PEORIA, IL

September 2018 - May 2019

Academic Tutor

- Instructed fellow students in subject areas of Math, Biology, Chemistry and Physics
- Collaborated with more than 6 tutors to solve problems with scheduling or tutoring content
- Regulated tutor appointments and phone calls to promote effective student support

LEADERSHIP AND HONORS

- University of Illinois James Scholar - Member
- Phi Theta Kappa International Honor Society - Officer

January 2020 - Current
October 2018 - May 2019

TECHNICAL SKILLS

Applications: GitHub, Android Studio, ElectronJS, Flask, Kubernetes, Docker, NGINX and MS Office

Languages: Java, Python, C++, JavaScript, Node.js, PHP, MySQL, Bash, Kotlin and Web Development