Nicholas **Osaka**

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Education

University of North Carolina at Charlotte   *Charlotte, NC*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE,   BACHELOR OF ARTS IN PHILOSOPHY   *Graduation: May 2022*

- Cumulative GPA: 4.0
- Concentration: Artificial Intelligence

Skills

Programming Languages	Python, Java, Kotlin, C++, Java/TypeScript, Rust, HTML/CSS
Frameworks and libraries	Android Jetpack, SwiftUI, Tensorflow, PyTorch, Scikit-learn, React, PyTest, JUnit
Software Tools and Skills	Git, BASH, Linux, Docker, Agile/Scrum, Continuous Integration, Test Driven Development, LaTeX

Work Experience

Teaching Assistant   *Charlotte, NC*

UNC CHARLOTTE DEPARTMENT OF COMPUTER SCIENCE   *January 2019 - Present*

- Experienced teaching assistant:
    - Intro to Computer Science 1 (ITSC 1212, S'19 — S'20)
    - Software Engineering (ITSC 3155, F'20 — S'21)
    - Intro to Natural Language Processing (ITCS 4111, F'21)
- Facilitated discussions on course-related concepts.
- Held regular office hours and review sessions to enhance course delivery.
- Proactively analyze course statistics to address problem areas early.
- Acted as lead TA for a team of 3 TAs for two semesters (F'20, S'21).

Technology & Data Intern — Leadership Development Program   *Hartford, CT*

THE HARTFORD   *May 2021 - August 2021*

- Interned remotely in the Leadership Development Program Ops, Tech, Data & Analytics track.
- Built a portfolio management intake tool for the Enterprise Data Office estimated to save over $30k a year with three other interns.
- Led multiple meetings with different teams in order to identify best approach for architecture, deployment, and access control.
- Developed teamworking and leadership skills while working in a remote environment.
- Application included Node.js front and back ends, with an Express.js RESTful API layer which manages data exchange to database.
- Analytics were integrated using Tableau for a Director to identify blockers and advance business initiatives.

Research and Projects

NSF REU Research Project — Community Oversight for Privacy and Security   *Charlotte, NC*

UNC CHARLOTTE, CO-OPS PROJECT — DR. HEATHER LIPFORD   *May 2020 - August 2020*

- Designed and developed an Android mobile application with research intent.
- Implemented modern Android development practices with MVVM architecture and NoSQL databases.
- Participated in weekly meetings to discuss research objectives and create solutions to challenging obstacles.
- Developed experience in Android, Kotlin, Firebase, and Room.

Undergraduate Research — Augmented Reality and Machine Learning for Medical Use   *Charlotte, NC*

UNC CHARLOTTE, AUTONOMOUS INTELLIGENT WIRELESS NETWORKED SYSTEMS LABORATORY — DR. PU WANG *December 2019 - May 2020*

- Designed system for use in critical professions such as the medical industry.
- Utilized EPSON MOVERIO smart glasses in conjunction with Tensorflow Lite and other related technologies for user-inspired research in possible solutions for cognitive overload in error-critical professions.

Honors and Activities

2021	**Secretary,** Amnesty International at UNCC	*Charlotte, NC*
2021	**President,** Club for AI Research	*Charlotte, NC*
2018-2021	**Chancellor's List,** Awarded for earning above 3.8 GPA	*UNC Charlotte*
2020	**Atkins Library Undergraduate Research Award,** Office of Undergraduate Research	*UNC Charlotte*
2019	**Student Marshal,** Selected based on academic performance	*UNC Charlotte*
2019	**Phi Kappa Phi,** Honor society member	*UNC Charlotte*