Jacob Shiohira

STUDENT · COMPUTER SCIENCE & MATHEMATICS MAJOR

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Education

Raikes School of Computer Science & Management | University of Nebraska-Lincoln 🔗

• Junior enrolled in a selective, interdisciplinary school integrating innovative business concepts into traditional computer science curriculum with emphasis on practical and real-world experience taught through group projects - **graduation May 2020 | 3.85 GPA**

• **Relevant coursework**: Data Structures, Software Engineering, Introduction to Machine Learning, Linear Algebra, Statistics, Real Analysis, Abstract Algebra, Probability Theory, Non-Linear Optimizations, Data Mining, Algorithms

Senshu University | Tokyo, Japan 🔗

• Studied Japanese language, culture, and business during fall 2018

Honors

2019-2020 UNL Mortarboard Member
Dean's List for all 6 semesters
Nebraska George Beadle Scholarship Recipient
Microsoft Tuition Scholar
2018 Bridging Foundation Japan Scholar

Activies

New Student Enrollment International Welcome Team
UNL Arts & Science Ambassador
Microsoft Student Partner
Make-A-Wish® Charity Chicago Marathon Runner
Out of State Student Leader and Mentor

Projects

Reddit Sentiment Analysis - 2016 Presidential Election ⭘

Project that semantically and emotionally analyzed Reddit comments around the time of the 2016 presidential election. The goal was to identify trends and anomalies from comment text using semantic analysis, lemmatization, and more.

Japanese Verb Conjugation Library ⭘

Python library for conjugating Japanese verbs in 10 forms. LIbrary is packaged and available for public use on PyPi.

MiniShogi ⭘

A Python program that has multiple game modes of a MiniShogi (a variant of Shogi - Japanese chess). The game is played via CLI and supports interactive play and file input play, which begins the game from some state after parsing the input file.

Experience

Hudl

ASSOCIATE PRODUCT MANAGER INTERN · Soccer Assist 🔗   Lincoln, NE | January 2019 - April 2019

• Developed and executed the product strategy to achieve key project outcomes. Ran team scrum meetings for 4 sprints.
• Coordinated and ran multiple user interviews with Hudl end users and professional Assist analysts.
• Organized and managed product experiments. Coordinated with Hudl Assist operations and professional analysts during these experiments. Used experiment data to identify key metrics to inform stakeholders and address the team's riskiest assumptions.

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN · DEVICES 🔗   Boston, MA | May 2019 - August 2019
SOFTWARE DEVELOPMENT ENGINEER INTERN · AWS CRYPTOGRAPHY 🔗   Seattle, WA | May 2018 - August 2018

• Worked on an AWS digital certificate management product making it seamless for developers to ensure SSL/TLS compliance while using the AWS platform.
• Made backend API and corresponding frontend changes to detect and warn developers when altering parameters will invalidate a certificate renewal, taking their services down.

Microsoft 🔗

SOFTWARE ENGINEER & PROGRAM MANAGER INTERN · GRAPHICS TEAM   Redmond, WA | May 2017 - August 2017

• Worked on PIX for Windows in SiGMA (Silicon, Graphics, Media), a performance tuning and debugging tool for game developers
• Wrote C++ to extend PIX command-line functionality allowing developers to automate testing and increase productivity

Ice Cream Bro

CO-FOUNDER 🔗   Lincoln, NE | March 2016 - February 2017

• On-campus ice cream delivery service at University of Nebraska–Lincoln, expanding business into merchandising
• Profitable from the first night – over $1,200 in revenue and 300 pints delivered in first 10 nights of operation