Jacob Shiohira

STUDENT · COMPUTER SCIENCE & MATHEMATICS MAJOR

✉ jacob.shiohira@huskers.unl.edu | ⌨ jShiohaha | 🖥 www.jacobshiohira.com

Education

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

• Senior 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 semester

Honors

UNL Mortarboard Member (senior honor society)
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 goal was to identify trends and anomolies by semantically and emotionally analyzing Reddit comments around the time of the 2016 presidential election.

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

Amazon

SOFTWARE DEVELOPMENT ENGINEER INTERN · ALEXA ML DATA PLATFORM   Boston, MA | May 2019 - August 2019
• Designed a system that Alexa Machine Learning Data Platform teams could use to automatically identify and document what data their applications used at runtime
• System is 1 part of an Alexa organization initiative to document and understand the relationship between data being produced and consumed. This helps ensure data is protected and helps reduce operational costs on the order of tens of thousands of dollars.

SOFTWARE DEVELOPMENT ENGINEER INTERN · AWS CRYPTOGRAPHY   Seattle, WA | May 2018 - August 2018
• Worked on an AWS digital certificate management product making it easy 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 certificate parameters might cause issues upon certificate renewal

Microsoft

SOFTWARE ENGINEER & PROGRAM MANAGER INTERN · GRAPHICS TEAM   Redmond, WA | May 2017 - August 2017
• Worked on PIX for Windows a performance tuning and debugging tool for game developers
• Enhanced PIX command-line functionality allowing developers to automate testing functionality and increase productivity

Hudl

ASSOCIATE PRODUCT MANAGER INTERN · SOCCER ASSIST   Lincoln, NE | January 2019 - April 2019
• Worked with a full-time PM to develop roadmap leading up to project launch
• 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.
• Setup and conducted discovery interviews with U.S. Hudl users and usability interviews with Hudl video analysts based in India
• Ran scrum meetings (sprint planning, retrospective, refinement) for 8 weeks

ASSOCIATE PRODUCT MANAGER INTERN · HUDL FORUM
• Researched Hudl's community forum usage and engagement to help the PM Director decide if the forum was worth its cost
• Used Zendesk API to collect and organize 1,000+ data points to answer questions about usage and engagement over time
• Interviewed Hudl employees to better understand who is involved and working processes
• Wrote a research document with the forum's history, key questions and answers, future options, and a final recommendation

Ice Cream Bro

CO-FOUNDER   Lincoln, NE | March 2016 - February 2017
• On-campus ice cream delivery service at University of Nebraska–Lincoln, expanded business into merchandising
• Profitable from the first night – over $1,200 in revenue and 300 pints delivered in first 10 nights of operation