

# Ai Nakamura

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## Education

### **Bachelors of Science, San Jose State University**

Spring 2018

Bachelors of Science, Special Major Human-Centered Computing with Music

CS Courses: Intro to A.I. • Computational Creativity • Object Oriented Design • Data Structures and Algorithms • Introductory Java • Programming in C

Other Courses: Human Factors • Human Perception • Cognition • Computer Ethics • Physics of Music • Electro-Acoustic Music Design

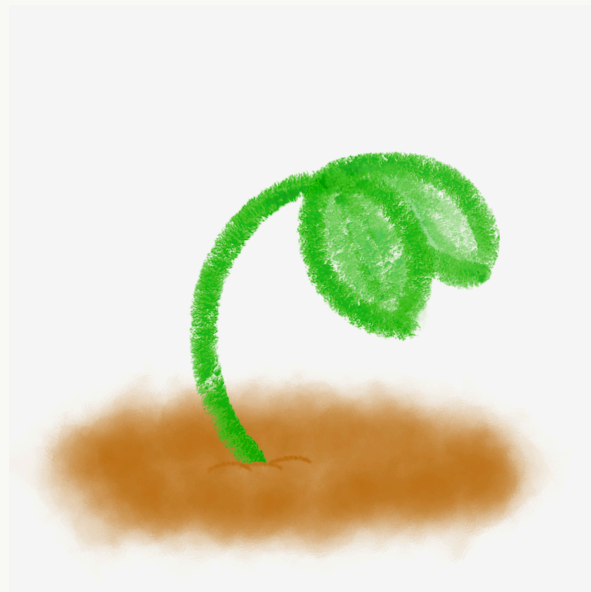
### **Certification: React - The Complete Guide (incl Hooks, React Router, Redux), Udemy**

May 2021

<https://www.udemy.com/certificate/UC-aaabe6be-f724-46cc-941b-b6c2cc00fe6b>

## Skills

<u>Technical</u>	<u>Communication and Teamwork</u>	<u>Strong work ethics</u>
React, JavaScript, HTML, CSS	Excellent communication	Always sees the project through
Python, some Angular and Java	Works effectively independently and in a strong team	Performs well under pressure
Experience working with research studies	Participated in numerous leadership positions	



## Work Experience

### Senior Analyst Web Developer -- Accenture

Nov 2021 - Current

- + Contributed to rapid prototype projects using React, with a strong focus on UI and UX best practices
- + Maintained and updated legacy projects, ensuring continued functionality and performance
- + Address and resolve bugs on a complex monolith project
- + Delivered 11 different projects, consistently meeting deadlines and quality standards
- + Secured a Diamond level client (\$100 million in yearly revenue) through a rapid prototype project
- + Mentored junior developers, leading a small team and fostering their growth and skill development
- + Learned and implemented basic project architecture and React best practices, including the Airbnb standard
- + Received consistent positive feedback for being a fast learner and efficient onboarding to existing projects
- + Worked on projects integrating Generative AI technologies
- + Part of the team that created MAIR, a digital clone of the Marketing Director, which won a CES 2024 Innovation Award
- + Contributed to the development of a GenAI-based music generation program that creates music based on user prompts. This project won an internal national competition and won the global competition
- + Utilized technologies including React, JavaScript, CSS, HTML, Python, GenAI, Next.js, Angular, and Java

### Information Technology Intern -- Together Labs Inc.

August 2021 - Nov 2021

- + Create custom software to dynamically bulk update internal asset tracker
- + Provides support of end-user software applications and operating systems
- + Install server hardware and configure laptops for employee use

### Python Instructor -- Mission Bit

June 2021 - July 2021

- + Taught Python to high school students using lectures and live-coding demonstrations
- + Managed 3 volunteers around the globe to leverage their full potential as class assistants
- + Developed and expanded curriculum in response to the unique needs of every student

### Census Bureau -- Office Operations Supervisor

July 2020 - October 2020

- + Assisted in the day to day operations of the Santa Clara Census Bureau office for the 2020 Decennial Census
- + Provided guidance and support to 8 in office and 40+ out of office staff
- + Responsible for managing the collection of data on ~ 2 million residents of Santa Clara County

### Census Bureau -- Census Field Supervisor

Feb 2020 - July 2020

- + Supervised the census team in charge of updating residence info in Alviso county's 2,000+ residents
- + Motivated our team to beat our original timeline by 25% (2 weeks)
- + Achieved 5th place in completion and speed over all of California's offices

### Cyber Security Intern - Kaiser Permanente

Summer 2017

- + Learned Linux operating systems and installed Kali Linux on a local virtual machine
- + Used NMAP to discover IOT devices on the local network and accidentally hacked a printer
- + Created a SQL log parser to over a thousand rows of real customer data

### Digital Media Academy -- Instructor

Summer 2016

- + Provided 100+ children with opportunities to explore different coding related topics
- + Adjusted supplied curriculums to tailor fit each class
- + Quickly acquired deep knowledge about new and unfamiliar material in preparation for each lesson

### Computer Science club -- Tutor

2015 - 2017

- + Tutored and mentored 60+ students per semester in various Computer Science classes
- + Classes ranged from introductory lower division Java courses to core upper division computer science courses
- + Organized multiple group review sessions with 30+ students

### On The Bridge Restaurant -- Head Manager/ Interim Owner

2008 - 2014, 2019

- + Supervised 20+ employees, including hiring and interviews, performance reviews, paychecks, and scheduling
- + Balanced various financial transactions including cashier handling, vendor payments, and business accounting
- + Handled other miscellaneous tasks such as menu redesign to achieve optimal performance

## Project Experience

<u>Front End Developer (The Cleric Shoppe)</u>	June 2021 - November 2021
<ul style="list-style-type: none"><li>+ Created an e-commerce website for a small business</li><li>+ Styled and detailed to fit the client's aesthetic</li></ul>	
<u>Front End Developer (Tree ToDo App)</u>	January 2021 - November 2021
<ul style="list-style-type: none"><li>+ Created front end React App for a plant-themed todo app</li><li>+ Designed custom assets to use</li><li>+ Connected to Go based back end</li></ul>	
<u>Interface Engineer (Arcomage tribute)</u>	August 2020 - December 2020
<ul style="list-style-type: none"><li>+ Recreated a classic mini game from Might and Magic</li><li>+ Calculated pixel precision graphics for accurate details</li><li>+ Utilized git for version control</li></ul>	
<u>Voice Feminization (Independent Studies Capstone Project)</u>	Spring 2018
<ul style="list-style-type: none"><li>+ a heck ton of self guided research</li><li>+ Learned how to take in audio and analyze their frequency, spectrogram, etc</li><li>+ structured science paper using LaTeX on overleaf</li></ul>	
<u>A.I. Drone Project (Intro to A.I. course)</u>	Spring 2017
<ul style="list-style-type: none"><li>+ Created a program to generate a voxel environment with randomly placed obstacles</li><li>+ Made a self learning A.I. Drone and implemented neural networks to do unsupervised learning</li><li>+ Took on initiative to make up for partners who were forced to drop the course</li></ul>	
<u>Co-PoetryMe Research assistant (Computational Creativity course)</u>	Spring 2017
<ul style="list-style-type: none"><li>+ Collaborated in real time with an international research team using LaTeX code on OverLeaf</li><li>+ Critically analyzed the program and provided constructive feedback on the UI and program's response</li><li>+ Published under "Co-PoeTryMe: interactive poetry generation." <i>Cognitive Systems Research</i> 54 (2019): 199-216.</li></ul>	
<u>Log Parser (Software Engineering Course)</u>	Fall 2017
<ul style="list-style-type: none"><li>+ Wrote a program that scanned through 100,000+ lines of logs to search for security concerns</li><li>+ Self taught RegEx manipulation</li><li>+ Easily integrated stand alone code</li></ul>	
<u>MySQL Database Command Line Interface (Kaiser Internship)</u>	Summer 2017
<ul style="list-style-type: none"><li>+ Created and installed a SQL database</li><li>+ Utilized MySQL to access both internal and external SQL databases using a command line interface with Python</li><li>+ Structured a menu interface system with a strong emphasis on code reusability</li></ul>	
<u>Custom Scale Generator (Physics of Music course)</u>	Fall 2017
<ul style="list-style-type: none"><li>+ Extensively researched the physical properties and theory of music and harmonics</li><li>+ Learned how to generate sine waves of varying frequencies and transcribe them into speaker playable sound</li><li>+ Designed a program to produce a new scale and chords using any given frequency as the tonic</li></ul>	
<u>Android Game Alarm Clock (Object Oriented Design course)</u>	Fall 2015
<ul style="list-style-type: none"><li>+ Collaborated in a team to create a game-fied alarm clock using Android Studio</li><li>+ Developed a random math problem generator that balanced the different operators [+, -, *, /] in production</li><li>+ Assisted in combining all four teammates separate components into one whole project</li></ul>	
<u>Voice Feminization App Paper Prototype Study (Human Factors course)</u>	Fall 2017
<ul style="list-style-type: none"><li>+ Applied Wickens, Nielson, Norman, and other notable scholar's principles to design a UI prototype</li><li>+ Conducted paper prototype testing with multiple volunteers and collected the results</li><li>+ Presented findings from the prototype testing using Applied Human Factors and Ergonomics (AHFE) standards</li></ul>	

## Volunteer Experience

<u>MagFest Inc. -- Convention Department Head</u>	2016 - Present
<ul style="list-style-type: none"><li>+ Created and directed a department to facilitate merchandise sales for 20+ artists at a convention with 20k+ attendees</li><li>+ Oversaw a team of over 30 volunteers to drive sales for our artists</li><li>+ Developed a system to seamlessly and accurately process inventory transfers</li><li>+ Consistent improvement in sales year after year</li></ul>	
<u>Fanime -- Convention Department Head</u>	2015 - 2024
<ul style="list-style-type: none"><li>+ Organized a department in charge of all cosplay related interactions at a convention with 30k+ attendees</li><li>+ Motivated, managed, and coached a team of over 30 volunteers</li><li>+ Improved internal structure to meet exponentially increasing demands over the years</li></ul>	
<u>March on Science Steering Committee -- Diversity Representative</u>	Spring 2017
<ul style="list-style-type: none"><li>+ 10,000+ attendees</li><li>+ Directed inclusive practices across 10+ departments</li><li>+ Collaborated with local organizers to advocate the inclusion of race, gender, disabilities, etc</li></ul>	
<u>Peers in Pride -- Certified Peer Specialist</u>	2015 - 2018
<ul style="list-style-type: none"><li>+ Professionally developed skills to handle sensitive interpersonal issues such as mental health crisis and self exploration</li><li>+ Provided one-on-one peer mentoring to over 10 incoming freshmen of LGBTQ+ spectrum</li><li>+ Guided mentees to explore their different identities and the struggles associated with them</li></ul>	
<u>Girls Who Code -- Teaching Assistant</u>	Spring 2017
<ul style="list-style-type: none"><li>+ Collaborated with other instructors to encourage 60+ middle school girls to explore technology related topics</li><li>+ Researched different age appropriate tools to demonstrate to the class</li></ul>	
<u>oSTEM of San Jose State University chapter -- President</u>	2016 - 2018
<ul style="list-style-type: none"><li>+ Out in Science, Technology, Engineering, and Mathematics (oSTEM)</li><li>+ Coordinated with a national organization to bring education and awareness to our community</li><li>+ Facilitated group discussions surrounding the intersectionalities of LGBTQ+ identities and pursuing STEM</li></ul>	
<u>Computer Science club -- Treasurer</u>	2016 - 2017
<ul style="list-style-type: none"><li>+ Created, Organized, and utilized resources to ensure the activities of the club was funded</li></ul>	