# **Alex Van Kuiken**

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**Education**

University of Michigan Graduated May 2023

*Bachelor of Science in Computer Science, Cognitive Science Ann Arbor, Michigan*

* 3.882 GPA, Recipient of a full tuition scholarship.

City High Middle School Graduated May 2019

*High School Diploma Grand Rapids, Michigan*

* Graduated *summa cum laude,* National Honor Society, 4.0/4.0 GPA, IB Diploma recipient, 39/45.

**Work Experience**

Capital One Financial Corporation June 2022-August 2022

*Software Engineering Intern Mclean, Virginia*

* Migrated the company’s API Console from Polymer to LitElement, converting, testing, and debugging 8 web components while updating the site’s CSS and UI.
* Created a testing suite for the API Console, hardening individual components with Web-Test-Runner and testing the console as a whole using Cypress.

Academy of Art and Design March 2021-April 2022

*Tutor Grand Rapids, Michigan*

* Developed 3 weeks of Python coursework, teaching students fundamentals of creating Python script to automate video-editing.
* Pioneered the creation of AAD’s SAT tutoring department, by single-handedly developing over 50 hours of lesson plans for 3 new weekly students.

ModMotion Media Company June 2017-August 2017

*Intern Grand Rapids, Michigan*

* Conducted operation tests on ten computers and virtual reality system pairs created for Amway Corporation to heighten consumer experience, diligently handling computer equipment.
* Explored a new burgeoning field of virtual and augmented reality experiences as part of business representation and marketing

**Projects**

[FridgeChef](https://github.com/randymi01/fridgechef) April 2023

*School Project University of Michigan-Ann Arbor*

* Implemented in Python using Twilio, spaCy, Flask, and Hugging Face Transformers.
* Generates dinner recipes for a user based on text conversations specifying ingredients, dietary restrictions and dietary preferences, sent directly to a phone.
* Created in a group of eight as part of a capstone project in conversational AI.

Solution-finder for the Traveling Salesperson Problem December 2021

*School Project University of Michigan-Ann Arbor*

* Implemented in C++.
* Given a collection of xy-plane coordinates, separately finds both a quick and optimal solution to the Traveling Salesperson Problem.
* Implemented using random insertion and branch-and-bound with pruning.

**Skills and Interests**

* Coding: C/C++, Python, Java, Javascript, HTML, SQL, MongoDB
* Conversationally fluent in Chinese
* Proficiency in Adobe Photoshop and Adobe Premiere Pro