

Shek Kin Liu (Ken)

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Education

Bachelor of Science: Computer Science

Expected December 2022

UNIVERSITY OF VERMONT, Burlington, VT

- Technical Skills: Python, Java, JavaScript, Spring Framework, REST API, SQL, Oracle Database, PL/SQL
- Related Courses: Data Structures & Algorithms, Algorithm Design & Analysis, Operating Systems, Database Systems, Software Engineering, Human-Computer Interaction, Programming Languages

Relevant Experiences

Software Engineer Intern

May 2022 – Present

VERMONT INFORMATION PROCESSING, Colchester, VT

- Ported an existing Digital Asset Management application tool from PHP to Java version.
- Rewrote all endpoints to interact with the application using Spring Boot framework.

STEM Intern

March 2015 – June 2015

XEMORY SOFTWARE, Burlington, VT

- Utilized Unity Game Engine to create a robot biking simulation and programmed in C++ to include the physics.

Projects

Fellowship

(UVM CS Fair 2021 First Place Winner)

Nov 2021 – Dec 2021

- Coded a simple user-friendly website that solves the communication and connection barriers between English Language Learner (ELL) and native English-speaking students.
- Implemented website using React, Ant Design Components to improve UX and React Router for navigation.

Fishy Business

(UVM CS Fair 2021 Third Place Winner)

Oct. 2021 – Dec. 2021

- Programmed a magnetic fishing robot game controlled by web interface. Used Python for the hardware control, HTML, CSS, and JS for the web interface (direction buttons and fishing wire dropping button).
- Practiced and used Git version control for keeping track of work progress.

Caesar and Monoalphabetic Substitution Ciphers Decryption

Nov 2016 – Dec 2016

- Wrote a program that not only generates cipher text with Caesar Cipher with a key on separate folder, but also decrypts the cipher text without knowing the key by comparing some linguistics statistics.

Additional Experiences

Business Social Media Strategist

April 2019 – Present

MORNING LIGHT BAKERY, Winooski, VT

- Provided a positive customer experience with fair, friendly, and courteous service.
- Paid attention to detail, especially in data entry, tested strong typing skill (60 WPM).

President and Treasurer

Jan. 2017 – Jan. 2019

UVM Badminton Club, Burlington, VT

- Organized weekly practices and planned tournaments for out-of-state college players every semester.

Peer Leader

July 2015 – August 2015

SPIRAL INTERNATIONAL, Burlington, VT

- Built a connection and eased communications between the Chinese exchange students and the instructor.