

# Tyler Venzen

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<https://tvenzen.github.io>

## EDUCATION

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### University at Albany (SUNY)

*Bachelor of Science in Computer Science, Minor in Math*

Albany, NY

May 2021

## WORK EXPERIENCE

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### Receptionist

January 2021 – Present

*The Grove at Valhalla*

Valhalla, NY

- Received calls and directed them to appropriate parties, recorded messages for those unavailable, and other tasks
- Assured incoming staff was screened daily
- Assisted patients when needed

### Leadership Development Intern

September 2020 – October 2020

*RippleMatch*

New York, NY

- Worked with RippleMatch to advertise itself to college students/early graduates to assist them in finding jobs
- Attended team meetings and learned theories of marketing while aiming to achieve a quota of signups

## PROJECTS

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### LocaNotes - Backend | JavaScript, Express.js, MongoDB

February 2021 – Present

- Collaborated in the creation of a social media app that combines note organization by location and public sharing and posting of notes
- Used GitHub for version control
- Development process incorporated the Agile methodology
- Used Express.js to interact with MongoDB to manage all data interactions of the product

### Multimodal Calculator | Java, Abstract Window Toolkit(AWT), Java Swing

April 2021

- With one other, developed a calculator that handles Text-to-Speech and Speech-to-Text
- TTS and STT capabilities powered by Microsoft's Speech SDK
- Software was created with the Model-View-Controller software pattern

### PAC Book | Java, Abstract Window Toolkit(AWT), Java Swing

March 2021

- Created a program that has a GUI that allows you to turn pages with buttons and updates the view of the GUI
- Software was created with the Presentation-Abstraction-Control software pattern

### See02 Site | HTML, CSS, JavaScript

June 2020

- Created a website that allows a user to input values to calculate the amount of CO2 their car emits per year
- Collaborated with two others
- Established regular meetings and a road map to completion

## TECHNICAL SKILLS

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**Languages:** Java(Proficient), Python(Prior Experience), SQL(Prior Experience), JavaScript(Prior Experience), HTML/CSS (Prior Experience)

**Other:** Bash, MongoDB, Express.js, GitHub, Eclipse IDE, Visual Studio Code

**Relevant Classes:** Data Structures, Database Systems, Design and Analysis of Algorithms, Human-Computer Interaction, Software Engineering, Semantic Web Technologies, Finite Automata and Formal Languages

## ORGANIZATIONS

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### IEEE UAlbany

Fall 2020

*University at Albany*

Albany, NY

- Attended educational presentations about new technologies
- Attending coding workshops to gain more experience

### Cyber Defense Organizaiton

Fall 2019 – Spring 2020

*University at Albany*

Albany, NY

- Learned about Ethical Hacking to be used in hacking competitions
- Participated in offensive hacking meetings to learn to hack into opposing network users