

# Xavier Clark

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## EDUCATION

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### Vermont Technical College

Est. Graduation: May 2023

*Bachelor of Science in Computer Software Engineering*

Awarded "Promising Programmer" 2021, "Dean's List" 2020-2022

## TECHNICAL SKILLS

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**Programming Languages:** Java, Rust, C, Python, ASM, Haskell, Powershell, Bash, JavaScript/JQuery, Typescript, PHP, Kotlin

**Frameworks:** React, Angular, Svelte  
**Databases:** MongoDB, SQL (Postgres)  
**Tools:** JUnit, Selenium, Git, Excel

## WORK EXPERIENCE

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### Fullstack Software Engineering Intern

September 2021 - Present

*Harris Computer Software (SmartVX)*

*Burlington, VT (Remote)*

- Launched a web-based personalized video platform serving over **100,000 users** in the first 12 months
- Developed front-end admin dashboard in **React and Javascript**, using **Redux** for state management
- Implemented unit tests utilizing **Puppeteer and Playwright**, leading to over **90%** site coverage
- Revamped developer operations by instituting issue-tracking through **Github**, increasing engineer productivity by **35%**

### Temp Data Entry Operator

March 2021 - April 2021

*University of Vermont Medical Center*

*Williston, VT*

- Processed an average of **100 documents per hour**, entering data into **Epic**
- Aided in ensuring the security of over **1 million** people's medical records
- Developed processes to guarantee the quality of medical care for over **160,000** Vermonters

### Marketing Intern

September 2019 - January 2020

*Vermont Student Assistance Corp.*

*Winooski, VT*

- Created **Powershell** scripts to manage research data
- Efficiently tracked online and print marketing campaigns using Facebook Ad Manager and Google Ad Manager
- Produced dynamic **Excel** spreadsheets to aid in recording FAFSA and Loan Application completions

## RELEVANT EXPERIENCE AND PROJECTS

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### **BibX: A Better Bibliography Generator** - [bibx.io](https://bibx.io) | [github.com/xavierclarkvt/bibx](https://github.com/xavierclarkvt/bibx)

- Created a lightweight privacy-conscious bibliography generator used by students throughout Vermont
- Used **Svelte** and **SvelteKit** to generate the UI and handle state management throughout the site

### **WeatherAlerts Weather App** - [github.com/xavierclarkvt/weatherNotification](https://github.com/xavierclarkvt/weatherNotification)

- Led a **team of 3** in designing and developing an android weather app in **Java**
- Used the **Volley Java Library** to manipulate **OpenWeatherMap API** weather data