




## DETAILED WORK EXPERIENCE

Company	Watermark
<b>UC Davis</b> Software Engineer Intern	
<b>St. John Vianney Catholic School</b> Python Code Camp Instructor	
<b>A Plus Heating &amp; Air Conditioning</b> IT Customer Support Representative	

### UC Davis

Software Engineer Intern | <https://www.ucdavis.edu/>

Davis, CA

April 2021 - Present

I am currently working under **UC Davis Professor Ali A. Dad-del**. We are restructuring the **MAT22AL** (Linear Algebra Computer Laboratory) coursework website through front-end development tools including: **PreTeXT**, **XML**, **LaTeX**, **HTML**, **CSS**, and **Python**. Throughout this process, I built web applications in an agile and iterative way using **agile methodologies** and **Git/Github** as a full stack developer / software engineer.

- Currently working under **UC Davis Professor Ali A. Dad-del**
- Restructuring **MAT22AL** (Linear Algebra Computer Laboratory) coursework website through **front-end development tools** including **PreTeXT**, **XML**, **LaTeX**, **HTML**, **CSS**, and **Python**; web development focus
- Built web applications in an agile and iterative way using **agile methodologies** and **Git/GitHub**

### St. John Vianney Catholic School

Python Code Camp Instructor | <https://sjvsj.org/>

San Jose, CA

July 2018 - Present

On an after-school basis, every Friday, programming instructors and I **voluntarily teach** at the **St. John Vianney Catholic School's** classrooms in **San Jose, California, or remotely**. We teach the basic syntax of **Python** and give an introduction to programming and problem-solving through the use of simple algorithms, data structures, functions, classes, simple statements, arithmetic, and boolean expressions, assignment statements, simple input, and output statements (including file I/O).

- Taught data structures, functions, classes, simple statements, arithmetic, and boolean expressions, assignment statements
- Utilized an efficient training course for students with, and without, coding experience through **K-12** grade levels
- Formulated ideas and strategies to Catholic Youth Group members on how to provide an operating system with **Python** programming capabilities for students to use

### A Plus Heating & Air Conditioning

IT Customer Support Representative | <https://www.aplusheatingandair.com/>

San Jose, CA

June 2017 - December 2019

Interning at A Plus has given me invaluable experience to start off my tech journey. During my time there, I worked closely with other developers and technicians on improving the runtime of machines by putting together orders with support packages or installers for anti-virus programs, as well as OS reinstallation of Window 7 or uninstalling bloatware. Although I did not do much of the hands-on programming, I was able to work alongside a team at a young age and learn from them. Being at A Plus has taught me how to work flexibly and embrace changes in the industry.

# Jonathan Trans

<https://www.linkedin.com/in/jonathantrans/>  
jbtrans@ucdavis.edu | 209-319-6752 | Davis, CA.

- Generated financial reports in **Quickbook** and performed financial analysis on sales by product and inventory orders, as well as installed anti-virus programs, custom fonts, and updates to reduce cyber risk
- Performed an **OS re-installation** of Windows 7 and putting together orders with support package or installers and presentation packages for management
- Troubleshooted and resolved slow computer issues by uninstalling hazardous bloatware and other unwanted programs and other Adhoc projects; motivated and passionate to find defects and innovate the product