

---

## ALEX CHAU NGUYEN

---

Knoxville, TN 37918 • (714) 728-7191 • [alex.c.nguyen93@gmail.com](mailto:alex.c.nguyen93@gmail.com)

🔗 GitHub: [bolophil](#)

📁 Portfolio

🌐 LinkedIn: [Alex Nguyen](#)

---

### EDUCATION

#### The University of Tennessee, Knoxville

Bachelor of Science & Computer Science

Cumulative GPA: 4.00/4.00

Knoxville, Tennessee

Anticipated Graduation: DEC 2024

**CERTIFICATIONS:** [AWS Certified Cloud Practitioner](#), [AWS Knowledge: Architecting](#), [AWS Cloud Quest: Cloud Practitioner](#)

### RELEVANT PROJECTS

#### Convert pixel image to ASCII characters Webapp: *HTML, CSS, and JavaScript*. [Live](#)

- Taking an image from either URL or upload from file and convert each pixel to relevant character in ASCII.
- Redraw the image on canvas with character pixels with option to adjust density and download.

#### Fake Store Website: *React, Redux and Bootstrap*. [Live](#)

- Build a fake store which shows products to buy with functionality such as login, signup, checkout, remove and add items from cart.

#### CRUD Application Webapp: *C#, ASP.NET and Microsoft SQL Server*.

- Display a table that contains clients' information on a webpage.
- Using Microsoft SQL Server for database allowing to update existed client's information, create new clients and delete a client.

#### MULTITHREADING CHAT SERVER: *C*

- C-based console application that functions as a server within a connected network.
- It is designed to enable clients to connect to various rooms within the server and engage in communication with other occupants.

#### Computer Organization: *C++, RISCv*.

- Developed virtual machine and running decoded instructions using RISCv.
- Bitwise operation, IEEE-754 floating point standard.

### EXPERIENCE

#### Tennessee Valley Authority – *Internship*

2023-Present

- Manage Identity, Authentication and Authorization infrastructure (CyberArk).
- Develops tool for automation for routine administrative and monitoring tasks in active directory and cloud (PowerShell).
- Performs monitoring and troubleshooting tasks.
- Serve as SME for Public Key Infrastructure (PKI).

#### US Army Reserve – *Information Technology Specialist (T3 security clearance-active)*

2022-Present

- Performs system administration and maintains computers and servers within the computing environment and network environment.
- Performs network administration; installs, configures, and maintains network computing equipment within the network.

### SKILLS

- C++, C, C#, SQL, JavaScript, HTML, CSS, RISCv, TypeScript, Python.
- React, Node.js, .NET, Bootstrap, jQuery.
- Linux/Unix, Git, GitHub, PowerShell, MS Office, AutoCAD.

### AWARDS AND ACHIEVEMENT

- Education: Dean's List Summa Cum Laude.
- Military: NATO medal | Army achievement medals(x2) | Afghanistan campaign medal w/ campaign star | Armed forces reserve medal w/ M device | National defense service medal | Global war on terrorism service medal | Army Reserve Components Achievement medal | Good conduct medal | Service ribbon | Army service ribbon | Driver and mechanic badge with S operator.