

# Aaron Nguyen

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## EDUCATION

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### Valencia College - University of Central Florida

Orlando, FL

*Bachelor of Computer Science*

*Jan. 2021 – Aug 2024*

- **GPA:** 4.0 / 4.0
- **Relevant coursework:** Intro to Programming Concepts, Java Programming, Precalculus Algebra
- **Achievements:** President's List Spring 2021, Convergys Computer Science Scholarship
- **Extracurriculars:** Technology Officer of Source Code IT & Programming Club, Member of Phi Theta Kappa Honor Society

### Ton Duc Thang University

Hochiminh, Vietnam

*Bachelor of Law*

*Aug. 2014 – May 2018*

## EXPERIENCE

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### United States Army Reserve

St.Petersburg, FL

*Information Technology Support Specialist*

*Nov. 2019 – Present*

- Communicate with Commander to set up battle assemblies and track attendance using technology solutions
- Assess and troubleshoot technical problems brought by 30+ enlisted soldiers and officers
- Maintain Digital Training Management System to input and update soldiers and officers' training records

## PROJECTS

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### Tasks | C#, ASP.NET, JavaScript, React, MongoDB, Docker

<https://github.com/aaronhangnguyen/tasks>

- Developed a full-stack web application using ASP.NET Web API backend, React frontend allows CRUD operations (create, read, update, delete) tasks from Docker-containerized MongoDB database
- Engineered backend server with ASP.NET Web API following loosely-coupled design system
- Designed frontend with React, JavaScript, and Chakra UI making asynchronous API calls to backend server
- Connected backend server with Docker-containerized MongoDB database allowing portable, lightweight, and secure deployment

### PDFMetadata | C#

<https://github.com/aaronhangnguyen/PDFMetaData>

- Developed a console application using C# and .NET 5 Framework allows access and modify PDF metadata
- Utilized PdfSharpCore NuGet package to access and modify metadata
- Designed a validation process using auto-implemented property's getters and setters

### Watermark | Python

<https://github.com/aaronhangnguyen/watermark>

- Developed a console application using Python and Pillow image library prevents photo piracy for 3K+ photos
- Implemented Euclidean algorithm to calculate photo aspect ratio
- Designed a recursive function to search and detect photos in pre-designated directories

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, C#, Java, C, HTML, CSS, NoSQL (MongoDB)

**Frameworks:** ASP.NET, React, Node.js

**Developer Tools:** Git, Docker, Visual Studio Code, JetBrains IDEs, Vim, macOS, Linux