

Brian Bui

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*Recent Computer Science graduate with expertise in software development, testing, and IT infrastructure.
Passionate about building efficient systems and leveraging programming skills to drive innovation in cloud
computing and software engineering*

EDUCATION

George Mason University, College of Engineering and Computing	Fairfax County, VA
- Master of Science in Computer Science, ML Concentration	Expected 2027
- Undergraduate Certificate in Computer Science	08.2024 - 12.2025
University of Virginia, School of Arts & Sciences	Charlottesville, VA
- Bachelor's Degree in Biological Sciences	08.2019 - 05.2023

SKILLS

Languages: Java, C, C++, Python, SQL, GDScript

Development and Tools: Git, Docker, Vim, Maven, JUnit, OpenGL, GDB, Microsoft Office

Concepts: Data Structures, Object-Oriented Design, Agile, Scrum

Certifications: AWS Cloud Practitioner, Certified Pharmacy Technician

PROJECTS

Motion Tracking and Machine Learning (Python)

- Developing a deep learning model using Keras and real-time webcam analysis with OpenCV to translate American Sign Language into text.

U.S. Immigration Records System (Java, JavaFX, Maven, Git)

- Developed a software prototype simulating citizen records request processing, from data entry to review and approval stages.
- Implemented scrum practices and version control collaboration using Git to manage development across a team of three.

PROFESSIONAL EXPERIENCE

Certified Pharmacy Technician - Giant Pharmacy

Springfield, VA | 06.2023 - Present

- Utilized **electronic health records (EMR/EHR)** using *McKesson software*, ensuring data integrity and accuracy across patient records
- Troubleshoot software and hardware issues related to **healthcare IT systems**, including prescription processing platforms and networked medical devices.
- Coordinated system performance monitoring, improving workflow efficiency.
- Supported **data security compliance**, following HIPAA regulations to safeguard patient information within digital platforms.

Medical Assistant - City Dermatology of Northern Virginia

Falls Church, VA | 06.2023 - 08.2024

- Managed **electronic medical records (EMR/EHR)** using *EZDerm, Doximity, and Sadio* software, ensuring secure access and efficient patient data retrieval.
- Maintained and troubleshooted **healthcare IT infrastructure**, including software platforms, networked medical devices, and NFC-based systems.
- Assisted in the automation of administrative workflows, streamlining scheduling, patient communications, and data reporting.
- Led **digital transformation initiatives**, restructuring operational systems to improve communication and workplace efficiency.

Hospital Transporter - UVA Hospital

Charlottesville, VA | 06.2022 - 04.2023

- Coordinated **digital logistics tracking** using *Epic Electronic Health Records* for patient movements across hospital units, ensuring data accuracy in transport records.
- Managed and maintained **electronic system interfaces** for medical equipment tracking and resource allocation.
- Ensured operational integrity of healthcare technology, including patient monitoring tools, digital record systems, and emergency response platforms.