BENJAMIN LAMB, PhD

Assistant Professor of Information Technology
Brightpoint Community College
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PROFESSIONAL SUMMARY

Currently serving as an Assistant Professor of Information Technology at Brightpoint Community College. Experienced software developer, web designer, and educator with a Master's in Information Technology from Virginia Tech. Skilled in Java development, cloud systems, web design, and cybersecurity. Improved Computer Science & IT courses, earning student evaluations between 3.91 and 4.86 out of 5. Holds 20+ industry certifications (AWS, Oracle, Microsoft, CompTIA) and excels at making complex technical concepts accessible while adhering to best practices in development and security.

WORK EXPERIENCE

Assistant Professor of Information Technology, Brightpoint Community College   2025-
- Delivering high-quality educational opportunities in hybrid formats for variety of IT courses
- Curriculum development and consistency with state standardized UCGS courses
- Faculty Advisor and active committee member

Adjunct Assistant Professor, *Virginia Western Community College*   2023-
- Lead/solo instructor for six different CS and IT courses with consistently high student evaluations
  - CSC223 – Data Structures & Algorithms, 4 credits
  - ITP246 – Java Server-Side Programming, 4 credits
  - ITP220 – Advanced Java Programming II, 4 credits
  - ITP140 – Client-Side Scripting (HTML/CSS/JavaScript)
  - ITP120 – Introduction to Java I, 4 credits
  - ITD130 – Database Fundamentals/SQL, 3 credits
- Gave public CS Scholar Lecture "*What the Heck Just Happened? The Surprising Success of Machine Learning (AI) Algorithms,*" an engaging 90-minute presentation explaining ML fundamentals to community college students
- Redesigned CSC223, ITP246, and ITP220 curriculum to include more hands-on coding exercises and align with current industry technologies

Java Application Developer, *Sogeti Capgemini*   2022
- Consulted on enterprise-level Cyber Technology & Risk team for General Electric, participating in daily scrum
- Implemented and documented security-focused Design Patterns across organizational units
- Developed and enforced database security best practices for SQL Server, PostgreSQL, MySQL, and AWS RDS
- Applied NIST and CMMC controls to ensure regulatory compliance for enterprise applications

Web Developer, *Bluemont Technology & Research, Inc.*   2021-2022
- Designed and implemented company employee portal using WordPress, improving internal communications
- Developed AR/VR-focused website and resolved complex bugs through PHP/JavaScript debugging
- Introduced and implemented staging environment workflows to ensure quality control

Information Technology Remote Support Specialist, *Liberty University*   2020-2021
- Troubleshot issues in large Enterprise Resource Planning systems and Microsoft 365 applications
- Provided technical support for the university's Learning Management Systems (Blackboard and Canvas)
- Administered identity and access management systems in Azure cloud environment

EDUCATION

1. **Master of Information Technology** (GPA: 3.9) *Virginia Tech (*online program ranked #3 in nation by US News). Graduate-level MIT courses/certificates with a letter grade of A:
   - *CS5704 Software Engineering*
   - *CS5244 Web Application Development*
   - *CS5044 Object-Oriented Programming in Java*
   - *CS5254 Mobile Application Development*
   - *CS5744 Software Design and Quality*
   - *ACIS5524 Advanced Database Management Systems*
   - *ACIS5504 Database Systems and Concepts*
   - *ECE5984 Data Engineering*
   - *ECE5484 Fundamentals of Computer Systems*
   - *ECE5480 Cybersecurity and the IoT*
   - *ECE5494 AI Innovation & Machine Learning*
   - *MGT5804 Leadership in Tech-Based Organizations*
   —Graduate Certificate in Software Development
2. **Bachelor of Science in IT: Application and Database Development** (GPA: 3.9) from *Liberty University,* Department of Computer Science; Magna Cum Laude
3. **PhD in Sociology** (GPA: 3.99) from *University of Colorado, Boulder*
4. **Master of Sociology** (GPA: 3.99) from *University of Colorado, Boulder*
5. **Database and Program Developer Certificate** from *Virginia Western Community College*

PROGRAMMING FLUENCIES

- **Programming Languages:** Java (SE17+, Java EE), Python, Kotlin, SQL, HTML/CSS, C#, JavaScript, PHP, Bash/Shell scripting
- **Frameworks & Technologies:** Spring, Spring Boot, JUnit, Android SDK, Git, Maven, Gradle, JPA/Hibernate, Thymeleaf, RESTful APIs, AI/ML workflows with PyTorch, scikit-learn
- **Software Development:** Agile, Scrum, OOP, design patterns, microservices architecture, test-driven development, AI-assisted coding tools, Git/GitHub
- **Database Technologies:** MySQL, PostgreSQL, SQL Server, Oracle, AWS RDS, MongoDB, Neo4j
- **Cloud & DevOps:** AWS (RDS, EC2, S3, Lambda), Azure, CI/CD pipelines, Docker
- **Security:** NIST framework, CMMC controls, secure coding practices, database security, access management

CURRENT CERTIFICATIONS

(Most are verifiable at credly.com/users/benjamin-lamb)

Graduate Certificate in Software Development (VA Tech)
Spring Certified Developer Professional (VMware, 2024)
Oracle Certified Associate (OCA), Java SE8 Programmer
Java Foundations Oracle Associate (93.3% Exam Score)
Microsoft MTA: Java Programming
Microsoft MTA: Database/SQL Fundamentals
Microsoft MTA: Windows Server Administration
Microsoft MTA: Python Programming
Microsoft MTA: JavaScript Programming
Microsoft MTA: HTML/CSS Programming
Microsoft 365 Administration
Microsoft Azure Fundamentals

CompTIA A+
CompTIA Network+
CompTIA Security+
CompTIA Linux+
2021 CompTIA Secure Infrastructure Specialist
AWS Developer Associate
AWS Certified AI Practitioner
AWS Cloud Practitioner
Application Security and Secure Coding (Checkmarx)
Microsoft Office Specialist, Excel 2016
Microsoft Office Specialist, Outlook 2016
Microsoft Office Specialist, PowerPoint 2016
Microsoft Office Specialist, Word 2016

VOLUNTARY SERVICE

- Provide pro-bono website design and maintenance for local mental health nonprofit organization
- Served as Notary Public for Commonwealth of Virginia offering no-charge notarizations to community
- Co-managed new 501(c)(3) nonprofit focused on mental health and addiction treatment in Colorado
- Received volunteer service award from Paxton Ministries, a 501(c)(3) supporting people with disabilities