

# Mohammad Jamil Ahmad

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## Education

### ***Doctor of Philosophy in Computer Science***

Major in Software Engineering and Data Analytics  
West Virginia University | Morgantown, West Virginia  
June 2021

### ***Master of Science in Information Systems***

Marshall University | Huntington, West Virginia  
December 2008

### ***Bachelor of Science in Management Information Systems***

An-Najah National University | Nablus, Palestine  
June 2006

## Experience

### ***Lecturer-part time***

Lane Department of Computer Science and Electrical Engineering  
West Virginia University | Morgantown, West Virginia  
January 2020– Present

- Taught Introduction to Computer Programming (CS 110) to a class of 80 students
- Created all course content including the syllabus, assignments, and assessments.
- Directed lab teaching assistants and graders.

### ***Graduate Service Assistant***

Lane Department of Computer Science and Electrical Engineering  
West Virginia University Morgantown, West Virginia  
August 2018 – December 2020

- Contributed to course development with college professors pertaining to, but not limited to, applying the Quality Matters standards for the online electronic content accessibility for the following courses:
  - SENG505: Programming Foundations with Java
  - SENG510: Software Project Management
  - CS533: Developing Portable Software
  - SENG540: Software Evolution
  - SENG565: Database Design and Implementation
  - SENG581: Software Quality Process Management
  - SENG670: Data Analytics with Applications in Software Engineering
- Created and graded assessments for the following courses:

- CS110: Introduction to Computer Programming
- CS111: Introduction to Data Structure
- CS410: Compiler Construction
- CPE430: Advanced Software Engineering
- CPE484: Real-Time Systems Development
- SENG582: Enterprise Architecture Frameworks
- SENG585: Engineering Economics

### ***Graduate Teaching Assistant***

Lane Department of Computer Science and Electrical Engineering

West Virginia University | Morgantown, West Virginia

August 2014 – August 2018

- Taught Introduction to Computer Applications (CS 101) to two classes of 50 students each semester
- Graded all assessments for responsible CS101 sections.
- Helped students with course content in the CS lab.
- Contributed to CS course development for the following content areas: Microsoft Office, Python, and R

### ***System Analyst and Database Developer***

Michael Baker International | Cross Lanes, West Virginia

May – August 2015

- Analyzed the reporting system used to inspect bridges in West Virginia.
- Designed and developed a portable application to track and store bridge inspection information and the reporting process.

### ***Database Developer***

West Virginia Department of Transportation- Division of Highways

Morgantown, West Virginia

May – August 2014

- Designed database system to track researchers and their projects.

### ***Training and Development Manager***

Thinker Group | Doha, Qatar

February 2012 – July 2013

- Managed clients, staff, and students
- Contributed to the design of The Critical Thinking Campaign in Qatar to be implemented in public schools.
- Trained more than 50 teachers and 670 students in 4 different schools on how to incorporate the Critical Thinking skills in the classroom.

### ***Computer Science and Information Technology Instructor***

Emirates College of Technology | Abu Dhabi, U.A.E.

August 2010 – January 2012

- Taught the following courses:
  - Object Oriented Programming
  - System Analysis, Design, and Development
  - Project Management in the IT world
  - Relational Database design and development
  - ORACLE Applications
- Coordinated Moodle software development project.

### ***Assistant Manager***

Young Scientists Club | Ramallah, Palestine

August 2009 – August 2010

- Conducted Computer Science and web development workshops for students.
- Planned and held Discovery Days Program for more than 360 participants.
- Developed and followed program budget.

### ***Graduate Assistant***

Marshall University | Huntington, West Virginia

August 2007 – December 2008

- Database Technician and IT consultant for MU Libraries

### ***Computer Instructor***

Cultural Graduate Forum | Nablus, Palestine

June 2006 – June 2007

- Taught International Computer Driving License (ICLD) and A+ (Computer proficiency) courses.

### ***Intern-System Analyst and Database Developer***

An-Najah National University | Nablus, Palestine

June 2004 – June 2006

- Led 6-member team of analysts.
- Administered ORACLE database for the Nablus Shopping Mall
- Developed an information system for the stores.

### ***Project Coordinator***

Young Scientists Club | Nablus, Palestine

January 2003 – May 2004

- Taught children computer basics
- Maintained communication with stockholders.
- Organized projects which were expanded to other cities in Palestine.

## **Publications and Academic Contributions**

- Goseva-Popstojanova, Katerina, Mohammad Ahmad, and Yasser Alshehri. "Software fault proneness prediction with group lasso regression: On factors that

affect classification performance." *2019 IEEE 43rd Annual Computer Software and Applications Conference (COMPSAC)*. Vol. 2. IEEE, 2019.

- Data contribution: Gantzer, T. D. (2019). Security Bug Report Classification using Feature Selection, Clustering, and Deep Learning.
- Mentor for Joshua Hernandez- 2019 Summer Undergraduate Research Symposium at West Virginian University
- Data contribution: Alshehri, Y. A. (2018). Explanatory and Causality Analysis in Software Engineering.
- Mentor for Luke Darnell- 2016 Summer Undergraduate Research Symposium West Virginian University

## **Affiliations**

### ***Association for Computing Machinery member***

ACM WVU Student Chapter | West Virginia University  
September 2015 – Present

- Chapter treasurer January 2017 – August 2019

## **Certifications and Trainings**

### ***Quality Matters Standards certified***

Teaching and Learning Commons | West Virginia University  
January 2019

### ***LGBTQ+ Safe-Zone trained***

LGBTQ+ Center | West Virginia University  
April 2020

- Learned the necessary knowledge and tools to serve as an ally to the LGBTQ community on WVU's campus.

### ***R Software Carpentry Workshop***

Software Carpentry | West Virginia University  
April 2018

### ***Master Critical Thinking certified trainer.***

Arete Training & Technical Group for Educational & Administrative Consultations  
Amman, Jordan  
July 2010 and August 2012

## **Skills**

- Professional Databases development and programming skills (ORACLE, ORACLE Dev, SQL / PL/SQL).
- Experienced in data analytics using R and SPSS.
- Experienced in C#, Java, and Python.
- Experienced researcher in machine learning, data and text mining and data analytics.
- Advanced knowledge of MS office package applications.
- Rapid self-learner, self-sufficient and considerable resourcefulness.
- Ability to work individually, cooperatively, and collaboratively.
- Excellent mathematical, critical / creative thinking and critical thinking skills.
- Excellent training and customer support skills.

## **Languages**

### ***Arabic***

Native Language

### ***English***

Full Professional/Bilingual Proficiency