

# MATTHEW C. PARKER

2101 E Coliseum Blvd, Fort Wayne, IN 46805  
parkermc at ipfw.edu • (260)481-0188

---

## EDUCATION AND TRAINING

<b>MPS, Information Assurance Management</b> Fort Hays State University	2017 Hays, KS
<b>MEd, Education</b> Indiana Wesleyan University	2006 Marion, IN
<b>BS, Mathematics Education</b> Indiana State University	1999 Terre Haute, IN
<b>Computer Science Coursework</b> Indiana University-Purdue University <i>Undergraduate: 20 credit hours</i> <i>Graduate: 3 credit hours</i>	2013-2014 Fort Wayne, IN
<b>Computer Information Systems Coursework</b> Ivy Tech Community College <i>Undergraduate: 6 credit hours</i>	2012 Fort Wayne, IN
<b>Indiana Teachers License</b> <i>Areas: Mathematics &amp; Business, Grades 5-12</i> <i>Expires: May 2024</i>	

## TECHNICAL SKILLS

### Programming Languages and Technologies

*Proficient:* Java, Visual Basic, C#, JavaScript, HTML, Android  
*Experience:* C/C++, Python, Go, ASP.NET, node.js, JSON, SQLite, SQL Server, MongoDB, CSS, BPMN 2.0, GitHub

### Development Environments

*Proficient:* Visual Studio, Eclipse, Android Studio, WebStorm, PyCharm, Code::Blocks  
*Experience:* Xamarin, Adonis, Signavio, BIMP Simulator

### Operating Systems

*Proficient:* Windows 7, Windows 10, Linux Mint, Ubuntu  
*Experience:* Kali Linux

## UNIVERSITY TEACHING EXPERIENCE

### Continuing Lecturer

August 2014 - Present

*Indiana University-Purdue University, Fort Wayne, IN*

- Develop and deploy course content for face-to-face and online undergraduate courses in Computer Science and Information Systems.
  - Use BlackBoard online course management system for distributing course information
  - Use Tegrity recording system for distributing course lectures
- Computer Science Courses Taught: Survey of Computer Science, Introduction to Visual Basic, Advanced Visual Basic, Programming in C#, C/C++ Programming, Human-Computer Interaction
- Information Systems Courses Taught: Business Process Management, Penetration Testing
- Project Advisor—Computer Science Senior Capstone Project
- Project Consultant—Information Technology Senior Capstone Project
- General Education coordinator for CS 112 (Survey of Computer Science)
  - Responsibilities include analyzing assessment of CS 112 course outcomes with general education requirements
- Department Representative—High School Dual Enrollment Program
  - Responsibilities include recruiting, training, and overseeing of high school teachers teaching IPFW Computer Science courses for college credit
- Committee Member—Computer Science High School Programming Challenge
  - Responsibilities include recruiting high school students to participate in bi-monthly competition and overseeing judging of student submissions
- Committee Member—Computer Science Curriculum
  - Responsibilities include evaluating and approving curriculum modifications
- Committee Member—College of Engineering, Technology and Computer Science Student Success Task Force
- Academic advisor—Information Systems Technology students
- Camp director—Adventures in Computing for Teens (2015-2016)
- Co-Principal Investigator for Research Proposal (2016)—Deploying Computer Monitored Problem-Solving Discussions for Student Conceptual Understanding in Java Programming Classes

### Limited Term Lecturer

August 2009-May 2011

*Indiana University-Purdue University, Fort Wayne, IN*

- Designed and developed curriculum and assessments for Math 159 (Pre-Calculus)
- Used BlackBoard online course management system for distributing course information
- Used MapleTA for online assessments

## HIGH SCHOOL TEACHING EXPERIENCE

**Mathematics and Computer Programming Teacher** 2007-2014

*Northrop High School, Fort Wayne, IN*

- Courses Taught: Algebra I & II, Geometry, Pre-Calculus, Discrete Math
- Dual Credit Course Taught: Computer Programming
- Honors Courses Taught: Geometry, Algebra II
- Served as Curriculum Leader for Algebra II
- Served as Sponsor for C2 Computer Club
- Served as Head Coach for Boys Cross-Country
- Served as Assistant Coach for Boys Track & Field

**Mathematics Teacher** 2000-2007

*Snider High School, Fort Wayne, IN*

- Courses Taught: Algebra I & II, Geometry
- Honors Courses Taught: Geometry
- Served as Head Coach for Boys Cross-Country
- Served as Head Coach for Boys Track & Field

**Mathematics Teacher** 1999-2000

*Warsaw Community High School, Warsaw, IN*

- Courses Taught: Algebra I & II
- Served as Head Coach for Boys Cross-Country