🎓 EDUCATION

M.S. in Computer Science
University of Wisconsin-Madison
2004

B.S. in Mathematics, Biochemistry, and
Molecular Biology
University of Wisconsin-Madison
2000

⭐ CERTIFICATIONS

Certified Secure Software Lifecycle
Professional
(ISC)^2
2021 - present

CSSLP

Information Assurance Security Officer
Certification
Department of the Army
2010

IASO

Michael J. Waddell

M.S., C.S.S.L.P.

Secure Software Architect
and Data Scientist

🕐 Chicago, IL

🌐 waddellnet.com

✈ mwaddell

💼 EXPERIENCES

I design secure software architectures and use machine learning to model and analyze large and complex data sets.

Senior Artificial Intelligence Software Engineer, Secure Software Architect, Director of Information Technology
Pangaea Information Technologies, Ltd.
2006 - present

Designing secure software architectures and leading development teams in the creation of custom software to leverage geospatial analysis, artificial intelligence, and statistical analysis of large data warehouses. Managing the internal IT infrastructure supporting development, build, integration, staging and production environments.

¶ PUBLICATIONS

Over 25 articles focused on the advancement of Artificial Intelligence in Disease Diagnosis and Surveillance published in academic journals.

🔧 TECHNICAL EXPERTISE

Languages: TypeScript, C#, Python, JavaScript, HTML/CSS, Java, SQL, Bash/Shell

Frameworks: React, ASP.NET, Node.js, jQuery, Azure Functions, Docker, Scikit-Learn

Databases: SQL Server, MySQL, PostgreSQL, Cosmos DB, CouchDB, MS Access

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Visit **https://waddellnet.com** for my complete list of experiences, projects, and publications.