Dr. Jacob W. Archambault

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Philosopher, logician and full stack C# .NET Core developer

Education

Jefferson Community and Technical College   **Louisville, KY**
Associate's, computer programming   *2021 (expected)*

Fordham University   **Bronx, NY**
PhD, philosophy; Doctoral certificate, medieval studies   *2017*
Dissertation title: 'The development of the medieval Parisian account of formal consequence.' Supervisor;
Professor Gyula Klima.

Work experience

Waystar Health   **Louisville, KY**
DevOps Applications team   *May 2020-*
Assisted in building, deployment, and configuration of team projects with Azure DevOps; led work on porting
various team projects from .NET Framework to .NET Core and .NET Standard; performed SQL queries and
database maintenance with SQL Server and Microsoft SQL Server Management Studio (SSMS).

Software developer apprentice, Architecture team   *Aug. 2019-May 2020*
Contributed to a company-wide .NET framework applicant testing website implementing MVC pattern
and Onion Architecture. Technologies used daily include: C# with Visual Studio integrated development
environment (IDE); Entity Framework, LINQ, and Microsoft SQL Server Management Studio (SSMS); Git
with Azure DevOps/TFS; JavaScript with jQuery and Ajax, and HTML5 and CSS3 with Bootstrap.

Highlands Latin School   **Louisville, KY**
Ontology, Latin, and classical political philosophy teacher   *2017-2018*
Taught college-level material in Latin, ontology, and classics at advanced private high school. Led ontology
students to fully reconstruct arguments and critically explicate texts from Plato, Aristotle, Thomas Aquinas,
and others. Led Latin students to translate both from and to Latin, with assignments principally focused on
Caesar. By pairing classic texts with carefully designed assignments, I improved student learning outcomes
while decreasing student workload, leading 90% of students to earn the highest letter grade available.

Fordham University   **Bronx, NY**
Distinguished research fellow   *2015-2017*
Published numerous articles, book contributions, and an edited volume with publishers including Cambridge
University Press, Brill and Springer, and presented papers at prestigious institutions across three continents,
primarily in the history and philosophy of logic. For a full list of publications and presentations, see my *CV*.

Select distinguished fellowships and competitive grants

Universität Salzburg, Institut für Philosophie   **Salzburg, Austria**
Ernst Mach Grant, 9,450 €   *2017-2018*

Select programming projects and certifications

Projects

Personal website   *2019-present*

A .NET Core MVC website with links to my programming projects, published papers, resume and CV. Features implemented include partial views and dynamic page content generation, bundling and minification, custom routing, http status code error handling, and Google Analytics.

Auto lot store   *2020-present*

A four-project .NET Core MVC solution consisting of a website front-end, an API project, a data access layer, and a model layer. Makes use of razor view components, custom tag helpers, exception filters, custom routing, and entity framework core. Expanded from a *Pro C# 7* tutorial.

Windows Presentation Foundation Calendar   *2020-present*

A scheduling application developed with Windows Presentation Foundation, allowing the user to add, delete, and retrieve scheduled events from a backing text file.

Blazor calculator   *2020-present*

A Blazor WebAssembly calculator application, unifying the code for various calculator operations via lambda expressions and model binding.

Certifications

C# .NET, Code Louisville   *2020*

Completed coursework and a console project serializing student data gathered from user prompts to a JSON file. Developed in the Visual Studio IDE, the project's implemented C# features include LINQ queries, reflection, delegates, exception handling, and JSON serialization.

Front-end web development, Code Louisville   *2018*

Completed coursework and front-end design for a business website instructing caretakers in infant massage. Includes proficiency with Visual Studio Code, HTML5, CSS3, JavaScript, Git and GitHub, APIs and content delivery networks, Bootstrap and jQuery libraries, and the principles of responsive web design.

Additional skills

Foreign Languages: Latin (full professional proficiency), French (reading fluency, speaking ability), German (reading competence), Ancient Greek (reading competence).

Mathematical logic: Proficient with proof calculi and semantics for first- and second-order classical logic, free logic, various normal and non-normal modal logics, many-valued and fuzzy logics, relevant logics, and non-monotonic logics.

LaTeX 2_ε: Typesetting language used with Biber bibliography software to write and publish research articles with mathematical notation, graphs, tables, and automatically generated bibliographies.

Paleography: I can read, date, and determine the rough provenance of medieval Latin manuscripts.

References

Mark Hamner
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