Evorell L. Fridge

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Summary

Computer science instructor skilled in full-stack application development with extensive classroom and real-world experience. Enthusiastic about emerging web technologies with a love for learning and teaching others. Focused on helping students learn the fundamentals of software development so they can build high-quality software.

Education

M.S. in Computer Science – August 2021 University of West Florida, Pensacola, FL
Coursework included advanced algorithms and parallel computing applications. Published papers on fair resource usage in shared Elasticsearch clusters.

Ed.D. in Curriculum & Instruction – August 2014 University of West Florida, Pensacola, FL
Coursework included software engineering, database administration, statistics, and educational theory.
Dissertation topic: Software Testing and Reflective thinking in introductory Computer Science programming assignments.

M.A. in Liberal Arts - May 2003 Louisiana State University, Baton Rouge, LA
An interdisciplinary program containing courses in data mining, information architecture and usability design.

Bachelor of General Studies - May 2001 University of Louisiana, Lafayette, LA
Spent four years in the computer science program learning the fundamentals of software development.

Teaching Experience

Adjunct Instructor, University of West Florida, Pensacola, FL (January 2012 – present)
Taught a wide variety of undergraduate-level courses in the Computer Science department. Currently teaching courses on server-side and client-side application development. Student evaluations ranked consistently at a high level.

Courses Taught: C++ Programming (COP 2334), Script Programming (JavaScript, COP 2830), End User Support (CTS3159), Server-Side Programming (COP 3813), Client-Side Programming (COP 4864), and Introductory Web Development, (Online course, CGS 4990).

Publications

Evorell Fridge and Sikha Bagui. 2016. Impact of automated software testing tools on reflective thinking and student performance in introductory computer science programming classes. *International Journal of Information and Communication Technology Education* 12, 1 (2016), 22–37. DOI:http://dx.doi.org/10.4018/ijicte.2016010103

Evorell Fridge and Sikha Bagui. 2021. A Comparison of Fair Sharing Algorithms for Regulating Search as a Service API. *Transactions on Networks and Communications*. 8, 6 (Feb. 2021), 13–31. DOI:https://doi.org/10.14738/tnc.86.9633.

Evorell Fridge and Sikha Bagui. 2021. Estimating Query Timings in Elasticsearch. *Transactions on Networks and Communications*. 9, 2 (Apr. 2021), 15–36. DOI:https://doi.org/10.14738/tnc.92.9887.

Professional Experience

Web Applications Engineer, University of West Florida, Pensacola, FL (January 2010 – present)
Worked with a team to build enterprise web applications for university students and staff. Led the development of many software projects using agile methods, including the university's main web portal used by 10,000 users daily. Trained entry-level developers and supervised interns. Designed our team's app development environment around monorepo, Angular and Node.js. Built APIs and middleware using Express backed by MS-SQL, Oracle, and Elasticsearch data sources. Oversaw the conversion of the app deployment process to a Docker-based workflow using AWS and custom tools. Maintained app design language and ensured web accessibility compliance.