

Ryan Garlick, PhD

ELECTRONIC COMMERCE • SOFTWARE DEVELOPMENT

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Education

PhD in Computer Science

May 2003

SOUTHERN METHODIST UNIVERSITY

Dallas, TX

Master of Science in Computer Science

December 1998

TEXAS STATE UNIVERSITY

San Marcos, TX

BBA in Finance with Honors

August 1995

THE UNIVERSITY OF TEXAS AT AUSTIN

Austin, TX

Professional Experience

Principal Lecturer

University of North Texas

September 2009 - present

Denton, TX

- Created Android Development Course with Industry Collaboration
- Murphy Center for Entrepreneurship Faculty Fellow
- Developed Database Course Covering MySQL and NoSQL (MongoDB)
- Created Asynchronous Online Curricula for Multiple Courses

Visiting Assistant Professor

University of North Texas

August 2003 – August 2009

Denton, TX

- Created Courses in Mobile Development and Secure e-Commerce
- Researched Engineering Pedagogy with Associated Grant Writing
- Taught C++, Java, and Artificial Intelligence (AI)
- Developed Innovative Programming Coursework Used in Several Countries

Founder

FrameTheTV.com, LLC

January 2010 – present

Dallas, TX and Austin, TX

- Created PHP e-Commerce Site for Designing and Selling Frames for Televisions
- Developed Online Custom Product Designer and Branded Affiliate Program
- Manage Advertising (AdWords), Marketing, Security, and Web Development
- Year-over-Year Average Revenue Growth of 22% 2011-2016

Qualifications

ACADEMIC	ACM Programming Team co-Coach at the International Collegiate Programming Competition World Finals in Harbin, China. Invited Speaker at SoMiC 2013 Computer Security Conference. Proficient Writer and Public Speaker
INDUSTRY	Led Security, Development and Strategy for Several e-Commerce and Real Estate Sites. Built “FrameTheTV” e-Commerce Startup to Multi-State Distributors and Re-Sellers
LEGAL	IP Litigation Consultant and Expert Witness with Experience Giving Testimony by Deposition and at Trial, Performing Numerous Source Code Reviews and Extensive Report Preparation
DEVELOPMENT	Developed “Mobile World Records” Cloud Storage Android App (>5,000 Downloads). Convergence Technology Center Mobile Development Workshop Leader
TECHNOLOGIES	Full Stack e-Commerce Expertise (including Shopping Cart Development, Payment Gateways, e-Commerce Security, Marketing, User Interface, Integration with Manufacturing, Fulfillment, Shipping Platforms, Amazon Integration, Bitcoin Payment, Miva Merchant, ZenCart, WooCommerce, Shopify, Apache Web Server, Web and Mobile Development, Search (Solr), and Android Development). Real Estate and Financial Software, Java, PHP, javascript
REAL ESTATE	Texas Real Estate License # 428910. Developed and Marketed “QuickNet” Financial Software for Estimating Real Estate Closing Costs. Experienced in Real Estate Finance and Investment

Courses Taught

UNDERGRADUATE (CSCE COURSES)

- 1030 **Computer Science I** : C / C++, Java
- 1040 **Computer Science II** : C /C++, Java
- 3055 **IT Project Management** : Microsoft Project, Agile, Git, Pivotal Tracker
- 3210 **Symbolic Processing** : Project Course Attempting to Decode the Zodiac-340 Cipher
- 3410 **Advanced Programming** : Android Development
- 3420 **Internet Programming** : PHP, Ruby, MVC framework, Client / Server, HTML, javascript, APIs
- 3530 **Introduction to Computer Networks** : Ethernet, TCP / IP, Application Layer
- 4310 **Introduction to Artificial Intelligence** : Algorithms, Neural Networks
- 4350 **Database Systems** : SQL, MySQL, NoSQL (MongoDB)
- 4410 **Software Development I & II** : Year-Long Capstone Project Courses
- 4560 **Secure Electronic Commerce** : Public Key Infrastructure (PKI), Shopping Cart Development, Payment Gateways, eCommerce Security, SSL, TLS, Authentication and Authorization, Blockchain
- 4890 **Directed Studies** : One-on-one or Small Cohort Classes on Various Software Topics
- 4901 **Software Development Capstone** : Topics Course for Small Groups
- 4905 **IT Capstone** : Topics Course – Cryptocurrency Mining

GRADUATE (CSCE COURSES)

- 5210 **Artificial Intelligence** : Genetic Algorithms, Meta-Heuristics
- 5560 **Secure Electronic Commerce** : Project-Based Course Creating a Real-World e-Commerce Site

Litigation Support

LOCKE LORD, LLP

MATTER: PATENT INFRINGEMENT, WEB-BASED FACETED SEARCH TECHNOLOGIES

Gonzalez v. New Life Ventures, Inc.

CLAIM CONSTRUCTION, SOURCE CODE REVIEW, DECLARATION, INFRINGEMENT
EXPERT REPORT, DEPOSITION, TRIAL TESTIMONY

TX Eastern District, 2:14-cv-00907
2016

Gonzalez v. Tagged, Inc.

CLAIM CONSTRUCTION, SOURCE CODE REVIEW, DECLARATION, INFRINGEMENT
EXPERT REPORT, DEPOSITION

TX Eastern District, 2:14-cv-0993
2016

Gonzalez v. InfoStream Group Inc.

DECLARATION, INFRINGEMENT CONSULTING

TX Eastern District, 2:14-cv-00906
2016

Gonzalez v. Social Concepts, Inc.

CLAIM CONSTRUCTION, SOURCE CODE REVIEW

CA Northern District, 4:15-cv-01719
2015

Gonzalez v. Autotrader.com, Inc.

CLAIM CONSTRUCTION, SOURCE CODE REVIEW

GA Northern District, 1:15-cv-01157
2015

Gonzalez v. Snap Interactive, Inc.

DECLARATION, INFRINGEMENT CONSULTING

TX Eastern District, 2:14-cv-00992
2014

Gonzalez v. Global Personals, LLC

DECLARATION, INFRINGEMENT CONSULTING

TX Eastern District, 2:14-cv-00952
2014

Gonzalez v. Zulily, Inc.

INFRINGEMENT CONSULTING

TX Eastern District, 2:14-cv-00630
2014

Gonzalez v. Black Devine

INFRINGEMENT CONSULTING

TX Eastern District, 2:14-cv-00160
2014

Gonzalez v. Elite Marketing Solutions, Inc.

DECLARATION, INFRINGEMENT CONSULTING

TX Eastern District, 2:14-cv-00963
2014

Television and Media

The Hunt for The Zodiac Killer

CODE TEAM MEMBER ON 5-PART SERIES INVESTIGATING ZODIAC CRIMES

History Channel / Karga 7 Pictures
2017

It Was Him

ZODIAC CIPHER INTERVIEWEE AND CONSULTANT

Spike TV / Objective Media Group
2017

The Code Breakers

PRINCIPAL – HOUR LONG PROGRAM ON CODES AND CIPHERS

National Geographic Channel
2009

Zodiac Ciphers and Codebreaking

NUMEROUS RADIO, PODCAST, AND PRINT INTERVIEWS

Various
2009-present

Grants Awarded

UNT STARS Student Development

\$14,000

NSF STARS Computing Corps Grant

2012

Social Entrepreneurship in an iPhone Development Course

\$3,000

Texas Transformative Instruction Initiative Grant

2010

Using ALICE as a Bridge to Java in CS1

\$9,637

UNT Transformative Instruction Initiative Grant

2008

Publications

Entrepreneurial Learning in a Secure e-Commerce Course through Creating Competitive Real-World Sites

GARLICK, R.

Proceedings of EEE

2014

Using ALICE in CS1 - a Quantitative Experiment

GARLICK, R. & CELIKEL, E.

ITiCSE Innovation in CS Education

2010

Motivating and Retaining CS2 Students with a Competitive Game Programming Project

GARLICK, R. & AKL, R.

iNEER Special Volume: Innovations

2007

Strategies for Retention and Recruitment of Women and Minorities in Computer Science and Engineering

AKL, R., KEATHLY, D. & GARLICK, R.

iNEER Special Volume: Innovations

2007

Intra-Class Competitive Assignments in CS2: A One-Year Study

GARLICK, R. & AKL, R.

Proceedings of ICEE

2006

Dynamic Wavelength Routing in WDM Networks via Ant Colony Optimization

GARLICK, R. & BARR, R.

Ant Algorithms

2002

Variable Hidden Layer Sizing in Elman Recurrent Neuro-Evolution

GARLICK, R. & KAIKHAH, K.

Journal of Applied Intelligence

2000