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Brian Kieffer

McKinney, Texas

 in/kiefferbp

 kiefferbp

EDUCATION

The University of Texas at Dallas (GPA: 3.148) – *Richardson, Texas* *January 2012 – December 2016*

Bachelor of Science in Computer Science

Bachelor of Science in Mathematics (Emphasis in Statistics)

TECHNICAL SKILLS

Languages: Java, C++, C#, Python, JavaScript, HTML, CSS, PHP, MySQL, R, UML

Databases: MySQL, Microsoft SQL Server (MSSQL)

Other Technologies: GitHub, ASP.NET, Visual Studio, Node.js, jQuery, React, AngularJS, Bootstrap, Underscore.js, Lodash, SASS/LESS, WordPress, Hibernate, Eclipse, Unity, Vuforia

Operating Systems: Windows (XP, Vista, 7/8/10, Server 2012), Linux, Mac OS X

WORK EXPERIENCE

Brainworks, Inc. – *Carrollton, Texas* *July 2013 – December 2015*

Junior Web Developer

- Maintained ASP.NET/C# and WordPress-based websites
- Added hundreds of new subscribers by creating a subscription form for article readers
- Wrote a RESTful API and accompanying Java application to CRUD entries for a user testimonial rotator
- Used Google Analytics and A/B testing to suggest and make improvements to website design

Brainworks, Inc. – *Carrollton, Texas* *January 2011 – December 2015*

Mathematics and Science Tutor

- Tutored Mathematics (Algebra I to Calculus III) and science (Chemistry, Physics, and Engineering)
- Taught summer courses in College Algebra and Calculus III

The University of Texas at Dallas – *Richardson, Texas* *August 2015 – December 2015*

Undergraduate Teaching Assistant

- Graded homework and helped students of MATH 3379: Complex Variables for the Fall 2015 semester

PROJECTS

Bing Pong: Microsoft Rewards Helper – *Personal Project*

- Created a popular web application that performs automated searches on Bing to earn gift cards
- Built a fanbase of over 3 million users and sold over 1000 software licenses for \$10 each
- Deployed highly-rated browser extensions to the marketplaces of Google Chrome and Mozilla Firefox
- Created an e-mail notification system to notify users of their progress through Microsoft Rewards
- Researched and developed a mechanism to emulate human browser interactions

VR Holodeck: Augmented Reality Chess – *Senior Design Project (Sponsored by Texas Instruments)*

- Created Android and iOS applications to play Chess in augmented reality
- Used Unity, Vuforia, and C# to implement the mobile application's mechanics and tracking capabilities
- Used Texas Instrument's CapTivate™ technology and Bluetooth low energy to obtain player movements

Blackjack Basic Strategy Generator (Java) – *Personal Project*

- Used dynamic programming and random simulations to derive the best strategy for any Blackjack hand