Mike Bell, Computer Scientist

www.evildojo.com | linkedin.com/in/darkmage | bugcrowd.com/darkmagex6

Experience:

- *2017-present*: **Independent Contractor, Tutor** Varsity Tutors, Internet
    - Tutoring: Computer Science: Programming
    - **C/C++, Java, Python, x86/64, Javascript, PHP, Django, Flask, Shopify, ChatGPT**
- *2020*: **Technology Consultant** Bunsow de Mory LLP
    - Source code review in technology-related legal cases
    - Research assistance in technology cases
- *2015-2016*: **Security Consultant** Kratos SecureInfo, San Antonio, Texas
    - Penetration testing of web & mobile apps.
    - Python Excel CSV XML scripting.
    - Development of novel mobile process memory exfiltration procedure.
    - Development of novel Javascript/PHP social media exploit procedure.
    - **Nessus, Burp Suite, Kali Linux, Metasploit**
- *2014-2015*: **iOS Developer** iMobile3 LLC., Jacksonville, Florida
    - Corporate Native iOS software development.
    - Found & fixed bugs.
    - Created middleware.
    - **PHP, Objective-C, Xcode, Apple Foundation, Cocoa**
- *2011-2013*: **Game Developer** Gifting 365 LLC., San Antonio, Texas
    - Wrote an iOS client app & server backend
    - Procedures for publishing an app on the Apple App Store.
    - Wrote a dungeon crawler game with procedural asset generation.
    - **PHP, Objective-C, Xcode, cocos2d, MySQL**
- *2010-2011*: **Web Developer** myweb Refresh, Fernandina Beach, Florida
    - Co-developed 16+ web sites for local businesses.
    - Wrote a credit card transaction system for a local bbq festival.
    - **Javascript, CSS, Dreamweaver, Photoshop, Wordpress**
- *2007-2009*: **Tutor & Research Assistant** UTSA Computer Science Dept., San Antonio, Texas
    - Taught after-class **Java** lab recitations with 20-30 students of all ages.
    - Graded homework.
    - Tutored freshmen/sophomores.
    - Used my professor's custom language to write programs.
    - **Java, C, Perl, FORTRAN**
- *2006*: **Computer Science Mentor** Prefreshman Engineering Program, San Antonio, Texas.
    - Taught classes of middle school kids how to write basic Java programs.
- *2002*: **Computer Science Mentor** Bethel High School, Hampton, Virginia.
    - Taught classes of elementary school kids how to write basic HTML websites.

Education:

- *2004-2008,2011*: **Bachelors (BS) of Computer Science** University of Texas San Antonio
    - Dean's List, *Fall 2007*
    - Independent Study: Compiler Research, *2008*
- *2008*: **Treasurer, Website Admin**: Association of Computing Machinery (ACM) UTSA Chapter
    - Performed maintenance & admin duties for chapter website

Personal Achievements

- Bugcrowd Rank 1727th as of 05/23/2024
    - All Time Vulnerabilities Reported 51 with 100% Accuracy
    - Xfinity hall-of-fame
    - Comcast hall-of-fame
    - Indeed hall-of-fame
- Thousands of hours tutoring hundreds of students since 2002
- Created a website that held front page of reddit for a week in 2010
    - Over 1,000,000 visitors

Free Software I'm Writing That I Like

- `ecs`: https://github.com/mikedesu/ecs
  - An entity-component-system and game written in C++ and libsdl
- `asciishade`: https://github.com/mikedesu/asciishade
  - An ascii art editor written in C and ncurses
- Tools released on PyPi (Python)
  - `ffuflags`: https://pypi.org/project/ffuflags/
    - ∗ A tool for generating filter flags for use with the Project Discovery tool, `ffuf`
  - `queryswap`: https://pypi.org/project/queryswap/
    - ∗ A tool for generating combinations of query-parameters from a given URL as a replacement for `qsreplace`