

## Mike Bell, Computer Scientist

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

### 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

### 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.

### 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**