

# Mike Bell, Senior Software Engineer & Security Researcher

[www.evildojo.com](http://www.evildojo.com) | [linkedin.com/in/darkmage](https://linkedin.com/in/darkmage) | [bugcrowd.com/darkmagex6](https://bugcrowd.com/darkmagex6) | [github.com/mikedesu](https://github.com/mikedesu) | [evildojo.itch.io](https://evildojo.itch.io)

## Technical Skills

**Languages:** C, C++, Python, Java, JavaScript, PHP, Objective-C, x86/64 Assembly

**Security Tools:** Burp Suite, Nessus, Metasploit, Kali Linux, FFUF, Nmap

**Frameworks:** Django, Flask, Cocos2d, Cocoa, UIKit

**Other:** Penetration Testing, Web Application Security, Static Code Analysis, Threat Modeling, Secure Coding Practices

## Security Research & Open Source Contributions

- Ranked in top 1% of security researchers on Bugcrowd (#1807 of 200,000+)
- Discovered and reported 50+ critical vulnerabilities (CVEs pending) across Fortune 500 companies
- Hall of Fame acknowledgments from Xfinity, Comcast, and Indeed for security vulnerabilities
- Created security tools used by penetration testers worldwide:
- Created a website that held front page of reddit for a week in 2010 with over 1,000,000 visitors
- Created popular StepMania charts played by tens of thousands of players and seen by hundreds of thousands of viewers

## Experience:

- *2017-present: Independent Contractor, Tutor* Varsity Tutors, Internet
  - Tutoring: Computer Science: Programming: **C/C++**, **Java**, **Python**, **x86/64**, **Javascript**, **HTML5**, **PHP**, **Django**, **Flask**, **Shopify**, **ChatGPT**
- *2020: Technology Consultant* Bunsow de Mory LLP
  - Source code review in technology-related legal cases: **C/C++**, **Python**, **Java**, **protobuf**
- *2015-2016: Security Consultant* Kratos SecureInfo, San Antonio, Texas
  - Penetration testing of web & mobile apps: **Python**, **Excel**, **CSV**, **XML**, **Nessus**, **Burp Suite**, **Kali Linux**, **Metasploit**
- *2014-2015: iOS Developer* iMobile3 LLC., Jacksonville, Florida
  - Corporate Native iOS software development: **PHP**, **Objective-C**, **Xcode**, **Apple Foundation**, **Cocoa**, **UIKit**
- *2011-2013: Game Developer* Gifting 365 LLC., San Antonio, Texas
  - iOS Game Client & Server: **PHP**, **Objective-C**, **Xcode**, **Cocos2d**, **MySQL**
- *2010-2011: Web Developer* myweb Refresh, Fernandina Beach, Florida
  - Co-developed 16+ web sites for local businesses: **Javascript**, **HTML5**, **CSS**, **Dreamweaver**, **Photoshop**, **Wordpress**, **PHP**
- *2007-2009: Tutor & Research Assistant* UTSA Computer Science Dept., San Antonio, Texas
  - Homework grading, research, Lab instruction **Java** with 20-30 students of all ages: **Java**, **C**, **Perl**, **FORTTRAN**, **Performance Testing & Tuning**
- *2008: Treasurer, Website Admin:* Association of Computing Machinery (ACM) UTSA Chapter
  - Website maintenance: **HTML**, **CSS**, **PHP**, **Javascript**, **Joomla**
- *2006: Computer Science Mentor* Prefreshman Engineering Program, San Antonio, Texas.
  - Taught classes of middle school kids how to write **Java** programs.
- *2002: Computer Science Mentor* Bethel High School, Hampton, Virginia.
  - Taught classes of elementary school kids how to write **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*

## Technical Projects

**raylib-rpg-c:** C-based RPG engine using raylib (1k+ lines of optimized C code)

**asciishade:** Terminal-based ASCII art editor using ncurses

**Security Tools:** Created multiple open-source tools used by penetration testers