

# MARK SMULLEN

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Seeking a full-time position in software engineering.

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## EDUCATION

**LeTourneau University, Longview, TX**

Dec 2017

Bachelor of Science - Computer Science, Game Development Concentration, GPA 3.2

## SKILLS AND QUALIFICATIONS

- Fluent with Windows, Mac OS X, and Linux (Red-Hat/CentOS, Debian)
- Proficient with C, C++, Java, Python, JavaScript / NodeJS, PHP, SQL, Bash, Git, Subversion, and Web Development
- Proficient with database and system administration
- Intermediate with Docker, Perl, C#, and Active Directory
- Basic experience with Kubernetes, Ruby, Lua, Microsoft Access, L<sup>A</sup>T<sub>E</sub>X, and batch
- Proficient in system troubleshooting and customer service

## EXPERIENCE

**Programmer/Analyst**, LeTourneau University

May 2017 - Present

- Design, develop, maintain, and review widely-used web applications in a Scrum environment using various technologies including SQL, PHP, Perl, JavaScript, Docker, Active Directory, and Bash scripting

**System Administrator, Team Lead**, MuttsWorld

May 2012 - Jun 2013

- Ensured positive service by enforcing quality standards
- Provided quality service through online entertainment organization to a worldwide audience
- Maintained staff by recruiting and training volunteer workers
- Managed CentOS Linux system through routine maintenance and updates
- Increased efficiency by over 400% through automation and developing in-house tools

Feb 2016 - Jun 2016

## PROJECTS

**Nimbus**, Senior Game Project

- Developed and reviewed underlying systems for team in agile environment using C++ and OGRE3D (<https://github.com/dreac0nic/nimbus>)

**H2BaC**, LightSys Technologies Services

- Developed an ebook-style MVC Android application to deliver content using Cordova, JavaScript, and JQuery (<https://github.com/Bacon41/How-to-Become-a-Christian>) (<https://play.google.com/store/apps/details?id=org.globalchristians.H2BaC>)

**Communications Security Research**, LightSys Technologies Services

- Researched security weaknesses that identify usergroups connecting to encrypted VPNs

**ICCM TFM Contest Voting Application**, LightSys Technologies Services

- Programmed user interface and supporting back-end for web polling application in agile environment using HTML5, CSS3, PHP, MySQL, JavaScript, and JQuery (<https://github.com/tyounglightsys/TFMVoting>)

**University Locksmith Database**, LeTourneau University

- Designed and implemented database management system solution in Microsoft Access for campus locksmith.

**Grave Danger**, Ludum Dare Jam 29

- Designed and developed Phaser.io JavaScript application with team during seventy-two hour game development competition. (<https://github.com/Textnical/gravedanger>)

## EXTRACURRICULARS

- Consultant for Thrive 360, teaching underprivileged children computer science via game development
- Assistant for Boys and Girls Club of America in Longview, TX, maintaining computer lab for the children's use
- Ranked 58th in the US in IEEEExtreme 11