ROGER **VILLANUEVA**

Freelance Web Developer

Personal Website: www.rogervillanueva.com **E-mail:** ralekzvilla@gmail.com
LinkedIn: https://www.linkedin.com/in/roger-villanueva-22067bb2 **GitHub:** https://github.com/roger-v

EDUCATION

Texas A&M University – College Station, TX
Bachelor of Science in Computer Science, Minor in Art May 2018
Texas A&M International University – Laredo, TX Sept. 2013 – May 2014

SKILLS AND INTERESTS

Programming – C++, Java, C, C#, Ruby, JavaScript, Swift, Python
Web Development – HTML, CSS, Ruby on Rails, React, Bootstrap, jQuery
Mobile Development – Android, iOS
Languages – Speak, read, and write Spanish
Other – Systems programming (Windows and Linux), Network programming, Graphics programming (OpenGL), Multithreaded programming, Linux, SQL, PostgreSQL, Graphic design, Git

EXPERIENCE

Vintage Logistics, Inc. Website and Mobile App May. 2018 – Oct. 2018
- Designed website for Vintage Logistics, Inc.
- Developed website user login and shipment tracking system for customers
- Developed Android and iOS application for customer shipment tracking and shipment status notifications
  Technologies used: HTML/CSS, Bootstrap, JavaScript, jQuery, Android (Java), iOS (Swift)

American Red Cross Hurricane Response Tool (Senior Capstone Project) Jan. 2018 – May 2018
- Converted ARC Disaster Relief standard 120-hour hurricane response timeline into a user-friendly Android and iOS app designed for American Red Cross Disaster Relief
- App behaves as a list of tasks divided by timeline phases, each with their own respective landfall countdown timer
- Provides task reminders based on user-defined hurricane variables (such as landfall time, airport closing times, etc.)
  Technologies used: Android (Java), iOS (Swift)

Veterans Airlift Command Website Redesign (Software Engineering Course Project) Jan. 2018 – May 2018
- Built a foundation for a Ruby on Rails-powered website for Veterans Airlift Command
- Designed PostgreSQL database for volunteer, pilot, veteran, and donation data
- New features such as a calendar for scheduled flights, admin system to mass-email and fully manage database
- Project and repository passed over to new team to complete since end of course
  Technologies used: HTML/CSS, JavaScript, Bootstrap, jQuery, Ruby on Rails, PostgreSQL

Texas A&M University Course Search Jun. 2016 - Jun. 2016
- Desktop application that serves as a new take on viewing Texas A&M University's course database
- Texas A&M University website has a static folder-like structure with no filtering capabilities, while this application returns filtered results based on user-inputted fields (such as department, course number, professor, times, room number)
- Has new feature of viewing when certain rooms are occupied (useful for scheduling meetings in empty rooms)
  Technologies used: Java, JavaFX, JDBC, MySQL

Six Feet Above (Personal game project) Oct. 2016
- Open-world 2.5D RPG set in a Day of the Dead-themed environment
- Designed many personal software tools for quest design, items, spells, characters
- Procedural generation is everywhere - with procedurally generated side-quests, items, characters, and dungeons
- Seamless, transition-less design of open world calls for interesting algorithms to split up the world into chunks and blocks that constantly go in and out of memory
  Technologies used: C#, Unity3D

More details about my projects may be found on my personal website.

AWARDS

- **Grace Hopper Scholarship** – Texas A&M University Oct. 2016
- **Richard Tapia Scholarship** – Texas A&M University Oct. 2016
- **Industrial Affiliates Program Scholarship** – ConocoPhillips April 2016
- **Industrial Affiliates Program Scholarship** – Lockheed Martin Corporation Sept. 2014

ORGANIZATIONS

Texas Aggie Game Developers – Texas A&M University Jan. 2016 – Dec. 2017
Member of Texas Aggie Game Developers, an organization in which members make games together and gain coherence with the expectations of the game design industry.

Engineers Serving the Community – Texas A&M University Jan. 2015 – May 2016
Member of Engineers Serving the Community, an organization dedicated to applying experience in engineering through projects meant to help the community of Bryan and College Station, TX.