

# Dani Roxberry

Instructor

Department of Computer Science and Data Science  
Make School

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*Platform independent and language agnostic, I leverage over 15 years experience architecting innovative digital experiences — and inspire you to do the same!*

## EDUCATION

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NEUMONT COLLEGE OF COMPUTER SCIENCE  
BSCS – GPA 3.50

SALT LAKE CITY, UT  
Jun 2006 - Jun 2008

- **Curricular Focus:** *Software Engineering*
- **Capstone Project:** *Neumont Object Role Modeling Architect (nORMa)*  
Contributed a dialect-agnostic table and column name generation algorithm that enriched native ORM2 diagrams and enabled one-to-one translation to numerous relational SQL sub-dialects. Initial offering included support for MSSQL, PostgreSQL, MySQL, DB2, and Oracle SQL dialects.

## PROFESSIONAL DEVELOPMENT + CONTINUED EDUCATION

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### PROFESSIONAL DEVELOPMENT

- **Charter Member:** Society of Women Engineers (*Neumont Chapter*)
- **Member:** Association of Computing Machinery

## EXPERIENCE

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MAKE SCHOOL PRODUCT COLLEGE  
Instructor, Backend Web Track

SAN FRANCISCO, CA  
Aug 2018 – Present

- **Curriculum Engineer:** Create course curriculum; write tutorials, projects, challenges, and assessments.
- **Product Owner, Course Enrollment System:** Assist in the high-level planning and execution of a customized Course Enrollment platform utilized by both students and staff at Make School.
- **Coach & Mentor:** Coach students to improve problem-solving, writing, speaking, pitching, critical thinking, organizational, emotional, and leadership skills through teamwork and one-on-one coaching.

TRILOGY EDUCATION SERVICES  
Instructor, UC Berkeley Extension

SAN FRANCISCO BAY AREA, CA  
Jul 2017 – Aug 2018

- **Bootcamp Instructor:** Full Stack, Data Analytics & Visualization
- Taught 40+ Full Stack and Data Science topics across 3 UC Berkeley Extension campuses.
- Enabled and empowered student accomplishment daily through 5+ hands-on activities per class period and three portfolio-ready team project deliverables per course.

BITORIENTED INC.  
Founder & Chief Executive Officer, Lead Consultant  
Key Projects →

SAN FRANCISCO, CA  
Nov 2014 – Aug 2018

- **LaRue Tactical (Django):** Built a custom platform to enable business processes for the bespoke manufacturing, purchase, and fulfillment of tactical gear. Automated receipt and package label printing for UPS, FedEx, and USPS packages via a customized ConnectShip integration.
- **SherriHill - (Django)** Designed, developed, and deployed the latest administrative interface for shopping and social media integrations leveraged by SherriHill employees. Enhanced automation for incoming purchases that features automated receipt printing at the time of customer purchase.

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FRAMEBUZZ INC.

AUSTIN, TX

**Founder & Chief Technology Officer**

Mar 2013 – Jul 2017

- Free, online video conversation platform that enables moment-by-moment discussions within a video. As the facilitator of interesting conversations between content creators, experts, and consumers, FrameBuzz brings more to a conversation than just words – it brings meaningful connections and unique perspectives that help shape the way a video is perceived, shared, and discovered.
- Singular architect of the both the product and codebase, fulfilling code requirements and providing the technical diagrams and expertise required to facilitate patent acquisition.

PROACE TECHNOLOGY SERVICES

AUSTIN, TX

**Senior Systems Engineer**

Apr 2011 – Mar 2013

**Key Projects →**

- **Albatross Golf (iOS)**: Mobile app for location based golf course coupons and membership.
- **Ambience Artists (Django)**: Music label artist management.
- **AnthemVault (PHP)**: Purchase physical gold and silver assets online: easy, fast, and safe.
- **Arch Telecom (.NET)**: Web application for autonomous phone dialing and agent leg connection.
- **FrontPorch (iOS)**: Social network to transact services and items in your neighborhood.
- **FrameLot (PHP)**: Optometrist owned platform wherein users can purchase prescription eyeglasses, sunglasses, and frames online.
- **GetWashed (iOS)**: Location based coupons and deals for car washes.
- **GroupWink (iOS)**: Arrange group dates with friends.
- **Institute of Physical Art (PHP)**: Website to purchase courses from the Institute online. Backend administration for faculty and students.
- **Marketouch Media (.NET)**: Web applications to schedule pharmacy phone operations. Administrative interface to manage telecom software deployments. Additional utility applications as required.
- **TAM (.NET)**: Interface to manage oil field employees that oversee the drilling of wellbores, improving accuracy of in-field data collection. Result: standardized reports later utilized in a business capacity.

HIRSHORN ZUCKERMAN DESIGN GROUP (HZDG)

AUSTIN, TX

**Senior Interactive Developer**

Oct 2010 – Jan 2011

- Lead and mentored the internal HZDG development team on the Titrade Solutions software development paradigm and stack, assisting with questions and troubleshooting localized development problems.
- Established an Agile approach to team management, introducing regular QA and code review of mentees.

TITRATE SOLUTIONS, LTD.

AUSTIN, TX

**Founder & Chief Technology Officer**

Sep 2009 – Apr 2011

**Key Projects →**

- **Brooks Brothers: TruPrep (PHP)**: TruPrep clothing line on the web.
- **IMAX Theatres (Django)**: Full rebrand of the IMAX corporation, including a new web and mobile interface that features a fresh, innovative IMAX: Night Out experience. Choose friends, select optional pre- and post-show activities near the theatre, set a showtime, and send friends the itinerary, all in a few clicks!
- **Mayorga Coffee (PHP)**: Fans can now buy Mayorga Coffee online from this website.
- **Mixer Design Group (Django)**: Rebrand of the Austin, TX product design firm.
- **Southern Management Company (.NET)**: Browse SMC's apartment offerings.
- **SplineOnline (.NET)**: Educational resource for Maryland high school students featuring interactive MBTI.
- **StonehengeNYC (PHP)**: Brochure website to ease high value property sales in New York City.
- **Volkswagen (PHP)**: Website for the 2009 Winter Sales Event campaign.
- **Washington Redskins: Gametime (Django)**: Unique play visualizations and realistic scoreboard encapsulate real-time NFL data, updating the screen in real-time automatically upon each play.

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## SKILLS

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### PROGRAMMING LANGUAGES

- Python, C#, JavaScript (ECMAScript 3 → 7), C++, HTML, CSS, SASS, PHP, Objective-C, Ruby, Java, R, ActionScript, Delphi, Swift, LESS, XML, XSLT, Shell Scripting

### SOFTWARE AND LIBRARIES

- **Backend:** Django, Flask, Tornado, Microsoft .NET WebForms, ASP.NET MVC, REST APIs, Node.js, Celery, RabbitMQ, Symfony2, CodeIgniter, Flex, Flash, Magento, Serverless Framework
- **Databases:** MSSQL, PostgreSQL, MySQL, MongoDB, SQLite, Firebase, DB2
- **Data Science/Visualization:** Jupyter Notebook, Anaconda, SciKit, Pandas, Matplotlib, D3, Leaflet.js, Tableau, Hadoop, Spark, MRjob, Plotly, CARTO, Chart.js
- **DevOps:** Vagrant, Docker, Ansible, Puppet, CircleCI, Kubernetes, Proxmox, ESXi, Apache, Nginx, Unicorn, uWSGI, IIS, XMPP, OpenBazaar, Redis, Memcached, Fabric, Amazon Configuration, Heroku, Dokku
- **Frontend:** Sass, SCSS, LESS, jQuery, AngularJS, React, Redux, Vue, Handlebars, XAML, Jinja
- **Mobile:** iOS
- **Operating Systems:** Linux (CoreOS, CentOS, Arch, Ubuntu), macOS, Windows
- **ORMs / ODMs:** SQLAlchemy, Mongoose, NHibernate
- **Protocols:** DNS, P2P, I2P, VPN, BitTorrent, WebSockets
- **Security:** OpSec, Cryptography, Tor, Bitcoin, Virtual Currencies
- **Serverless Infrastructures:** Serverless Framework, Amazon: AWS, Lambda, Cognito, S3, IOPipe, GitHub Pages, Aply, MongoDB Atlas
- **Testing:** Unit, Selenium, Karma, Mocha, Chai, Nightmare.js
- **Version Control:** Git, Subversion

## AWARDS

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- [2017] **Nationwide Winner:** *Trilogy Education Services Hackathon*
- [2007] **Category Winner, Best UI/UX:** *Utah Regional Software Development Competition*
- [2007] **Overall Winner/Best Presentation:** *Neumont Summit Awards*
- [2006] **Overall Winner/Best Presentation:** *Neumont Summit Awards*

## PUBLICATIONS

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- [2013] **Conversations on Time-Shifted Content** - *United States US20140199046*