ROSS MIGLIN

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EXPERIENCE

Accenture LLC – *Cloud Infrastructure Senior Analyst*; New York, NY **Aug 2018 – Present**
- *App development for financial services company:* Developed Python app with search functionality and data analytics reporting of >8000 routers stored in mySQL backend for client's ATM network improving search speeds by 95%
- *LAN hardware refresh for energy company:* Led team of 4 subcontractors in the successful LAN switch deployment for client's production headquarters migrating over 200 Juniper switches to 120 Cisco Merakis (access layer) and 2 Cisco Catalyst 9000s (distribution layer) saving >$3M in hardware and operational costs over the next 10 years
- *Network infrastructure strategy for local utility*: Performed current to future state gap analysis of client network by interviewing Network Operations, Cloud Connectivity, Security, and Monitoring Tools teams and provided 43 future state network recommendations ranked by complexity and impact

UT Austin Biomedical Engineering Department – *R&D Intern*; Austin, TX **Jan 2018 – May 2018**
- Designed Solidworks layout for functional prototype of abdominal device to supplement physical therapy in Diastasis Recti recovery for post-partum women by testing for inner-abdominal strains caused by routine movements

Samsung Austin Semiconductor – *Software Engineering Intern*; Austin, TX **May 2017 – Aug 2017**
- Programmed Python script to log failure of N_2 load port systems improving network monitoring speeds by 99%
- Created VBA macro to group and compare tool movement data for entire fleet to establish fault limit specifications

Stress Engineering Services – *Software Engineering Intern*; Houston, TX **May 2016 – Aug 2016**
- Developed desktop app in C# using Visual Studio to ease execution of materials property calculations for employees
- Created mobile application using MVVM framework for 10 pipe geometry calculations for accessible use in the field

EDUCATION

The University of Texas at Austin – The Cockrell School of Engineering **May 2018**
Degree(s): Bachelor of Science, Engineering, Certificate – Elements of Computing | GPA: 3.46/4.00
App Academy – Highly selective full-stack web development program with a 3% acceptance rate **Oct 2020**

PROJECTS

Artsy – Full-stack clone of Etsy's e-commerce website live | github
- Created full-stack pixel-perfect clone of Etsy incorporating Ruby on Rails, PostgreSQL, React/Redux, and HTML/CSS
- Demonstrated understanding of AJAX and CRUD actions with login, products, shopping cart, reviews, and search
- Integrated photo storage using AWS S3 API with PostgreSQL backend to optimize space efficiency of product listings

Space Explorers – Full-stack space-themed role-playing game live | github
- Built a multi-level adventure game with MERN stack implementing Google Maps API and react-audio-player
- Coordinated seamless Sass styling of game elements adhering to design language to provide an immersive UX
- Connected character models to MongoDB using Axios requests and Express routes to update stats during battles

Skyline Stacker – Single-page NYC-inspired block-stacking app live | github
- Designed JavaScript game using Sass styling, Canvas API, and event loop with callbacks to update game elements
- Added game class to house sub-components and exhibit encapsulation, abstraction, and inheritance between classes
- Developed high score persistence using Firebase API to render and update the Top 5 user scores

LEADERSHIP EXPERIENCE AND ACTIVITIES

Envisioning Greater Success Foundation – *501(c)3 Advisory Board Member* **Aug 2015 – Present**
- Contributed >$15,000 of scholarship funding to at-risk high school seniors who showcase academic rigor and perseverance

Code Orange – *Computer Science Mentor; Austin, TX* **Feb 2016 – May 2016**
- Tackled digital divide by providing mentorship and education in SWE to children in an underserved Austin community

Boy Scouts of America Troop 584 – S*enior Patrol Leader, ASPL Patrols, ASPL Outings, Eagle Scout* **Aug 2007 – July 2014**

HONORS

HackTX Most Technically Challenging Hack	**Fall 2015**	Robotathon Best Mechanical Design	**Fall 2014**
Mechanical Engineering Honors Society	**Spring 2016**	UT Engineering Honors Scholarship	**Fall 2014**

ADDITIONAL INFORMATION

Technical Skills: JavaScript, React, Redux, Python, Ruby, Ruby on Rails, MongoDB, NodeJS, ExpressJS, MySQL, Swift, Git, HTML/CSS
Interests: Boxing, Viola, Camping, Dogs, Cross-stitching, Reading, Social Dance, Jigsaw Puzzles, Woodworking, Chess, Blockchain