Ryan Schachte

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EXPERIENCE

- **ExxonMobil** — Houston, TX
  Software Engineer Intern/Co-Op — *Summer 2017 & Fall 2017*
    - **Backend Platform Development**: Developed user-centered geophysical monitoring platform, utilizing Azure PaaS resources, ASP.NET Core and Angular for the single-page front-end app. Platform will save 1000+ hours of analysis annually through automation.
    - **GIS**: Integrated real-time, interactive mapping component to track oil well pressures utilizing MapBox & Leaflet.
    - **DevOps**: Scaled out & implemented first usages of Chef into company infrastructure for managing oil wells at scale. Automated the entire build and deployment process for oil well machines – Saving the company over 50 hours of manual labor per deployment.

- **Allstate Insurance, CompoZed Labs** — Tempe, AZ
  Software Engineer Intern — *Sept. 2016 - May 2017*
    - **Cloud Application Development**: Created internal tools to manage company processes, project deadlines and team assignments within the lab. Designed custom applications utilizing React/Redux with Node.JS backend and Mongo DB. Pair programming, agile, sprint-based, test-driven development.

- **IBM** — Austin, TX
  Software Engineer Intern — *Summer 2016*
    - **Cloud Security**: Worked on Bluemix cloud security team developing beta edition of key protect, an encryption management vault for encrypted secrets.
    - **Distributed Computing and Containers**: Designed custom scaling algorithms utilizing LXD containers, Linux, Watchdog and Python. Integrated real-time monitoring for the SRE team using Sensu and Pager duty based on key access volume.

- **SimpleWan** — Phoenix, AZ
  Software Engineer Intern — *Fall 2015*
    - **PHP Backend Development**: Scaled out a variety of features for the custom WAN PaaS offered by SimpleWan using the Symfony2 PHP web framework. Followed agile, test-driven development practices. Implemented beta version of router dashboard to production which interfaced with firewall routers. Wrote custom API's to communicate to hardware routers.

- **Intel** — Chandler, AZ
  Software Engineer Intern — *Summer 2015*
    - **Firmware Engineering**: Working on XPoint memory architecture team. Implemented custom logging platform into firmware to track failures within the bootloader. Developed automated bit error correction program that scraped and organized firmware tests into excel sheets for the business on a daily interval. Charts and statistics automatically visualized into spreadsheet.

PROJECTS

- **The Simple Engineer YouTube**: YouTube channel teaching Math and Comp Sci. Over 3000+ subscribers.
- **MisterMewziek**: JavaFX GUI with Java backend. MP3 web scraping client built using Selenium.
- **ASU Seat Finder**: Real-Time notification system for notifying students about open seat availability for classes.
- **Android Food Recommendation App**: Phone app that recommends food recipes based on diet and physical activity.

EDUCATION

- **Arizona State University** — Tempe, AZ
  Master of Science in Computer Science; GPA: 3.83 — *Dec. 2016 – Dec. 2017*

- **Arizona State University** — Tempe, AZ
  Bachelor of Science in Computer Science; GPA: 3.78 — *Aug. 2013 – Dec. 2016*

PROGRAMMING SKILLS

- **Languages**: Java, Python, Javascript, C#, SQL, Node, HTML/CSS **Technologies**:TensorFlow, SKLearn, Angular.JS, Azure, Redux/React, Android, Visual Studio, Intellij, VIM, GIT, Chef, Django, Typescript, LXD