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Jacob Miller

Software Engineer

Skills

- Java
- Python
- C/C#/C++
- Chinese
- Windows/Mac/Linux
- HTML5/CSS3
- Android development
- Verilog
- WebGL/GLSL
- Vue.js
- TensorFlow
- Keras/Scikit-learn
- Falcon
- Haskell
- Prolog

Projects & Achievements

Home Info
Realty MLS entry and formatting Android app

Only One Cell
Platformer submitted to 48-hour game jam

Fork
Recipe-sharing Android app UI prototype (team project)

Dean's List
University of Illinois College of Engineering

James Scholar
University of Illinois at Urbana- Champaign

President, CU Trickers
Martial arts/gymnastics club

President, Inline Insomniacs
Late night outdoor skating club

Improv Coach
Coach team of ten members for long-form performances

Education

Bachelor of Science in Computer Science (Dec 2019)   *GPA 3.76/4.0*

University of Illinois at Urbana-Champaign, Grainger College of Engineering

Relevant Coursework:
- CS 446: Machine Learning – exploring ML from a theoretical and practical perspective
- CS 447: Natural Language Processing – using machines to interact with speech/text
- CS 445: Computer Vision – discovering how machines can perceive visual spaces
- CS 424: Real-time Systems – examining the requirements of cyber-physical systems

Professional Experience

Full-stack Development Intern, **Enodo Inc**   *Chicago, IL, Jun 2019-Aug 2019*
- Created and maintained UI/UX components in Vue.js
- Updated backend and API in python to integrate big data into front-end
- Setup pipeline for user-trainable categorization and regression models
- Worked well in fast-paced environment with small, uniquely skilled team
- Collaborated extensively using GitHub branches and pull-requests

Product Development Intern, **SAP Fieldglass**   *Naperville, IL, Jun 2018-Aug 2018*
- Designed advanced search page to streamline data lookup
- Designed interface for users to index data directly, lowering indexing time by minutes and maintaining style standards
- Generated search suggestor to ease process and improve hits

Operations Intern/Developer, **Dealer Inspire**   *Naperville, IL, Jun 2017-Jan 2018*
- Developed machine learning solution, categorizing with a success rate of 70%
- Visualized ticket histories to find break-points
- Presented results to staff of over 300 people in presentations

Android Developer, **RealtyCool**   *Naperville, IL, May 2017-Jun 2017*
- Designed, implemented, and published Android app to simplify MLS entry for realtors called 'Home Info'
- Re-developed app and published on time after losing all app data
- Tested users, prototyped, and designed app iconography and user interface
- Managed development cycles as well as publishing and maintenance

Coach, **Naperville Gymnastics Club**   *Naperville, IL, Jan 2016-Jan 2017*
- Created 'Ninja' curriculum for use in classes
- Ensured safety of 5-15 children in high-risk environments
- Communicated broadly with students, parents, and coaches.