

# Will Robbins

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## Education

- Graduating Dec 2018 **University of Illinois at Urbana-Champaign, B.S. Computer Science**  
**GPA: 3.79.** CS GPA: 4.0
- Honors James Scholar, Deans List, **Full-Tuition Scholarship** (President's Award Program Honors, Illinois Engineering Enhanced Scholarship, State Farm Computer Science Scholarship)
- Relevant Coursework Calculus III, Data Structures, Discrete Structures, Neural Network Modeling, System Programming, Computer Architecture, Linear Algebra

## Experience

- Summer 2016 **Software Engineering Intern, RetailMeNot**  
Given return offer
- o **Built an internal API** from scratch that predicts the revenue generated by displaying given content
  - o Wrote the service in Python (using Flask and Ripozo) to fit JSON API specs
  - o Dockerized the service and **deployed it to AWS Elastic Beanstalk**
  - o Used NumPy/Pandas to build an 'expected revenue' model
  - o **Built a workflow around internal data warehouse tools** to load data in/out of AWS Redshift, analyze it with Jupyter notebook, and refine the ML model
  - o Met progress goals and presented my work to C-level execs and engineering VPs
- 2014-2015 **Founder, Executive Director, Techwurk.org**
- o Techwurk is an organization that connects charities in need of websites with students interested in technology
  - o Pitched Techwurk to a panel of investors in front of 300 people and won a grant to develop the business model in Barrington, IL
  - o Was responsible for every aspect of the organization including sales, client relations, project management, student training, and coding
- Summers **Programming Intern, Dayaway Careers**
- 2012-2015
- o Dayaway Careers is a job search site in the green energy industry
  - o Wrote Python code to scrape/ETL new job alerts
  - o Worked with HTML/CSS/JS and a CMS to format and deploy pages to the website

## Skills & Technologies

- Languages Python, Java, JavaScript, C, C++, HTML/CSS, SQL
- DevOps Git, UNIX/Bash, Docker, AWS S3, Redshift, and Elastic Beanstalk, Jupyter notebook
- Other Tech Flask, Android, NumPy/Pandas, MongoDB, PostgreSQL, Jinja, Chrome Dev

## Projects

- Android Wrote and published Android apps. My most popular app, a *Brick Breaker* clone, has over **100,000 user downloads to date**
- Python Implemented a recurrent neural network architecture to generate coherent English text that mimics a training corpus
- Chrome Built a chrome extension that parses monetary amounts and shows users what charitable impact that amount could have if it were donated to an effective charity
- JavaScript Collaborated with other students to build ChillWithMe.xyz, a **web application with functionality similar to Yik Yak** that aims to facilitate the discovery of events around campus.