

Cole Knowlden

5528 S Everett Ave
Chicago, IL 60637
425-315-5647
coknowlden@gmail.com

EDUCATION

The University of Chicago

Chicago, IL

2010-2014

Bachelor of Science in Computer Science

EXPERIENCE

Senior Engineer - CivicScope — Sep 2016 - Present

Chicago, IL

- Lead developer and architect of CrimeScope, a tool for police departments to assess the risk of crime in jurisdictions. CrimeScope was built using React, Flask, Postgres, and AWS.
- Implemented web security for CrimeScope using AWS GovCloud, security groups, reverse proxies, and Elastic Load Balancers.
- Developed IT tools and processes to deploy and manage the web application servers and the data pipelines.

Software Developer - Fulton Works — Jul 2014-Sep 2016

Chicago, IL

- Developed, improved, and collaborated on 8+ web applications, including, but not limited to: makemyfresheners.com, ofsbrands.com, and officeluv.com. Responsibilities on these projects were programming front and back end of apps and corresponding with clients and designers to best meet clients' needs.
- Was able to quickly pick up new technologies (such as Ruby and Drupal) to maintain and continue development on existing projects.

Research Assistant - University of Chicago — Sep 2013-Jun 2014

Chicago, IL

- Coded a website to gather information on seminars at University of Chicago through various websites and displays them together
- Used Python to scrape websites, and then create an xml file of the data. Built a PHP website that constructed a table from the xml file.
- Also designed the site and wrote the CSS.

SKILLS

Languages: Python, Javascript, SQL, CSS, HTML, PHP, Ruby, C

Frameworks: Django, Flask, React, Ruby on Rails, Drupal

Utils: Mac OS, Linux, AWS, Heroku