

# Vance Cole

## Software Engineer

Chicago, IL

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### Technical Skills

Software Languages:

- C#
- CSS
- HTML
- JavaScript
- Python
- R
- SQL

Frameworks:

- AWS
- Flask
- GitHub
- MongoDB
- MySQL
- Node.js
- PostgreSQL
- React
- Selenium

Techniques:

- Agile
- OOP
- REST
- TDD
- Visual Studio

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### Volunteer

- Vassal Engine, a Java open source boardgaming platform

### Memberships

- Chicago Python User Group
- Chicago R User Group

### Additional Skills

Certifications:

- Fundamentals of Engineering in Chemical Engineering
- MitX: Introduction to Computer Science and Programming Using Python, 6.00.1x and 6.00.2x

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### Projects

#### An Introduction to Game Theory / Software Developer

Technologies-CSS, Flask, HTML, JSON, PostgreSQL, Python, XML

- Engineered a full-stack web application with Flask that teaches basic game theory while adhering to REST API principles
- Created XML and JSON parser using Python, saving query in PostgreSQL
- Deployed Python code for artificial opponents using memoization

#### PDF Manipulator / Designer and Developer

- Alters PDFs based on user input with Tkinter GUI

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### Experience

#### Brightstar, Inc / IT Helpdesk

August 2022-Present

#### ASP.Net, Jira, SQL, Zendesk

- Answered caller inquiries about proprietary business software
- Made SQL queries to isolate bugs in system and create workarounds
- Reproduced user errors for development team to fix
- Managed users with Active Directory

#### Coding Temple / Software Developer

May 2022 - August 2022

Bootstrap, CSS, HTML, Javascript, Node.js, PostgreSQL, Python, React

- Built websites with HTML, customized widgets and user interfaces with CSS and Bootstrap, user logins handled with React
- Applied OOP principles to reduce Python code reuse on various application for client's seamless navigation
- Maintained PostgreSQL database and improved update routines on an inventory application that tracks and validates data
- Prototyped token-based API pulls through app widget using public API, Node.js, and Javascript, and used Postman to test APIs

#### Officeteam / Administrative Assistant

May 2018-March 2021

- Refactored Excel projects using VBA and Pivot tables, halving analysis time

#### Cole Sadkin / Paralegal

January 2011- September 2014

- Managed email system and website functionality
- Conducted initial client interviews and researched case backgrounds

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### Education

**University of Illinois at Chicago** / BS Chemical Engineering, May 2018. 3.5 GPA.

**Truman College** / AA Chemistry, May 2016. 3.7 GPA.