

Sidney Son

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Education:

University of California, Riverside - Riverside, CA

September 2015 - June 2019

- Bachelor of Science, Computer Science
- Relevant coursework: Machine Learning and Data Mining, Information Retrieval, Virtual Reality, Computer Graphics, Technical Communications, Data Structures and Algorithms

Experience:

Software Developer, Aegis Treatment Centers - Canoga Park, CA

October 2019 - Present

- Developed full-stack features for company's internal Electronic Medical Record system (C# / .NET)
- Expanded critical financial tools on EMR to assist billing team in expediting or reconciling patient claims
- Debugged old features and critical bugs to improve product functionality
- Improved internal REST API to allow patient check-ins from mobile browser
- Resolve code conflicts between team and manage feature development (SVN / Jira)
- Created SQL queries to create financial reports and clean patient data (Microsoft SQL Server)
- Practiced weekly Agile sprints with development team and built/deployed website using CI/CD tools (TeamCity / Octopus)
- Provided ops/on-call support and technical support as needed

Projects:

Blog ([Github](#))

July 2020

- Developed full stack web blog that allows users to create blog posts
- Frontend created with React and backend created with Django Rest Framework
- Features include user registration and authentication, uploading images, and public or private posts

Twitter Heatmap ([Github](#))

June 2019

- Programmed a Python web application that visualizes a heatmap indicating high traffic for tweets across the US
- Application allows user to see the location of tweets and can search for tweets based on a specific hashtag
- Frontend created with HTML and Bootstrap CSS framework for content, and folium to create tweet map visualization
- Backend made with Django web framework, the 'tweepy' Twitter REST API for data collection, PostgreSQL for the database, and pandas for data manipulation

Web Crawler ([Github](#))

May 2019

- Developed a Java search engine that searches and scores 5GB of scraped .gov web pages based on user search query
- Backend done through Spring Boot, Frontend done through Angular, Webpage scoring done through Lucene for Java
- Led 3 person team to develop features and create design of application

Portfolio Website ([link](#))

- Designed static web page to display projects and allow others to see my work
- Front end created with HTML for content, CSS with Bootstrap for styling and responsiveness, and deployed with Github Pages

Skills:

Languages: C#, Python, Javascript, HTML/CSS, SQL, Java

Libraries/Frameworks: .NET, Django/Django Rest Framework, React.js, Angular, Spring Boot

Others: Version Control (Git & SVN), Jira, Linux, Microsoft SQL Server

Activities and Leadership:

Rush Cabinet, Programming Cabinet

Sigma Phi Epsilon - University of California, Riverside

January 2017 - December 2018

- Promoted social media platform and increased attendance to rush events
- Planned and executed social and philanthropic events in concurrence with other organizations
- Attend lectures and workshops relating to improving leadership, communication, and networking skills