

Heeirun Jayakumar

608-695-5911 | hjayakumar@wisc.edu

LinkedIn: <https://www.linkedin.com/in/heeirun> GitHub: <https://www.github.com/Heeirun>

EDUCATION

BS in Computer Science *University of Wisconsin-Madison* GPA: 3.36

May 2020

Classes: Algorithms, Operating Systems, Artificial Intelligence, Computer Networks, Software Engineering, Data Structures

TECHNICAL SKILLS

- **Proficient:** Java, Python, C, C++, JavaScript, Ruby on Rails, Node, React, Angular 8+, Typescript, CircleCI, Azure, AWS, EC2, GCP, Docker, RESTful APIs, MySQL, PostgreSQL, HTML5, CSS, Git, Bash, Nginx, Jasmine
- **Exposure:** Vue, Webpack, React Native, MS SQL Server, MongoDB, Swift, SQLite, Flask, PM2, Spring

WORK EXPERIENCE

Software Engineering Intern | EatStreet Inc. | Madison, WI

January 2020 - Present

- Engineered and deployed new features such as optimizing driver pickup and drop-off flow to support order volume growth of 73% YoY in Q1 and non-contact delivery for COVID-19 compliance using Ruby on Rails and Angular 8 + Ionic.
- Led design, development and deployment of the new driver on-boarding app written in Angular 8 with CircleCI integration. Deployed to a S3 bucket integrated with Cloudfront for performance and Route 53 for DNS routing.
- Fixed multiple flaky CircleCI unit test which increased productivity and production build success rate by 30%.

Software Engineering Intern | Schneider National | Green Bay, WI

June 2019 - August 2019

- Leader of design, development and deployment effort for a full stack web application. The app crowdsourced innovative ideas internally within Schneider built using React, Node, MS SQL Server and deployed to production with Docker.
- Engineered a virtual voice assistant using Dialogflow, Web Speech API and Socket.io to increase driver satisfaction, safety and productivity.
- Incorporated efficient software design, development and deployment best practices in software projects. Led 2 engineer interns and coordinated with different stakeholders on different software projects.
- Mentored freshman intern on software projects. Responsibilities include estimating programming capacity, skillset evaluation, task allocation and progress tracking.

Software Engineering Intern | QBE North America | Sun Prairie, WI

February 2019 - May 2019

- Led design, development and deployment of an end to end data pipeline for collection and visualization of chat bot data using Python scripts, Azure Tables, Azure Logic Apps, Docker and Power BI.
- Deployed Azure Web Apps and integrated them with Azure Cognitive Services such as LUIS and QNA Maker to implement Natural Language Processing (NLP) functionality in a production environment.
- Utilized services on Azure, deployments with Docker, Git and their best practices as part of an Agile team.

PROJECT WORK

Software Engineer | Visual Eyes | <https://www.facebook.com/VisualEyesArt/>

May 2018 – August 2018

Project Vision: *Using AR technology to bring the world around us to life*

- Founded an Augmented Reality (AR) start-up focused on interactive display of information in the AR space as part of a gAlpha (gener8tor backed) early stage start-up accelerator program.
- Engineered the MongoDB database with the use of Mongoose models and deployed it on Azure.

Software Engineer | Headlines | <https://devpost.com/software/headlines-w7jrhm>

November 2018

Project Vision: *Compare market sentiment against stock price with a simple intuitive UI targeted at new investors*

- Created a web app during MadHacks 2018 which scraped news articles and tweets to analyse market sentiment on big companies and visualized that data on a graph compared to the company's stock price.
- Scraped top tweets from companies using Python and saved them to a PostgreSQL database deployed on AWS.

CLUBS AND SOCIETIES

Theta Tau Professional Engineering Fraternity

September 2017 - Present

Professional Development Chair (Jan - May 2018), Scribe (Sep - Dec 2018), Corresponding Secretary (Jan - Dec 2019)

- Elected to guide fraternity brothers in multiple leadership positions held with many responsibilities and events.
- Hosted an "Introduction to the Internet of Things (IoT)" workshop to educate members of my fraternity about IoT (<https://thetatauxi.org/2018/04/the-internet-of-things>)