Harsha Vykunta

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WORK EXPERIENCE

Software Engineer Intern | Hoonuit Inc, Minneapolis, MN   **Aug 2018 – Dec 2018**
- Design, develop new features and maintain current features of our SaaS-platform in **Python**, **Django**, **TypeScript**, **Angular** on **AWS** in an agile environment
- Created **Docker** containers for unique, development and production environments
- Developed a survey feature used by 20% of our customers(school districts) to survey their students
- Developed an assignment feature for instructors to create custom assignments using learning modules and scrom tests for their students
- Designed automated unit tests using karma and jasmine to have a seamless continuous deployment in Jenkins pipelines for our quality and production servers
- Included digital badges powered by Credly, into our personality development platform to provide accomplishment badges for our customers
- Involved in product design, future development discussions and collaborate with cross-functional teams of data scientists, business users, project managers and other engineers to build our platform

Software Developer (Experiential Project) | **Owlz.io,** Seattle, WA.   **May 2018 – Aug 2018**
- Worked on building up the initial MVP. Technology stack consists of Java, JavaScript, Spring MVC, React and Redux.
- Managed website deployment and maintaining on Heroku
- Designed and created responsive and component-based UI layout for the website using CSS3 flexbox and grid systems
- Decreased the loading times and build sizes of the website to 80% by using asynchronous loading for components

Graduate Teaching Assistant | Northeastern University, Seattle, WA.   **Sep 2017 - Apr 2018**
- Assisted and taught over 20 students of courses '(INFO 5000) Application Engineering and Development' and '(INFO 6205) Program Structure and Algorithms'
- Helped students with **Java**, **Object Oriented Principles**, **Algorithms**, design patterns and building efficient applications
- Set up git repositories for student submissions and subsequently code cut repos weekly for staff to review
- Conducted code reviews of about 25 students and graded

EDUCATION

Master of Science in Information Systems | **Northeastern University,** Seattle, WA.   **Jan 2017 - Apr 2019**
GPA: 3.86
Coursework: Application Engineering and Development, Program Structures and Algorithms, Web Development Tools and Methods, Data Management and Database Design, Smartphone-Based web development, Cryptocurrency/Smart Contract.

TECHNICAL SKILLS

Programming/Markup Languages	:	JavaScript (Es6), Java (1.8), Python (3), HTML 5, CSS 3
Databases	:	SQL Server, PostgreSQL, MongoDB
Frameworks/Libraries	:	React.js, Node.js, Express, Django, Angular, redux, RxJS, D3.JS
Testing Frameworks	:	JUnit, Mocha, JEST, karma, Jasmine
Build Tools	:	Webpack, Browserify
Tools	:	JIRA, Trello, Git, Docker

PROJECTS

Tweets - Social Networking Website: (project demo at http://tweets-neu.herokuapp.com/)
- Built using **JavaScript, NodeJS, React, Redux, MongoDB, Express, Bootstrap,** and **Git**
- Developed a single page social networking application. Users will have a newsfeed and follower recommendations based on what the user follows
- A User can log in using Twitter's **OAuth**, like, comment and share the tweets on Twitter
- Created **RESTful API** services, authentication using **JWT** and persistent login

One-stop shop! E-commerce website: (project demo at https://onestop-shop.herokuapp.com/)
- Built using **Python, JavaScript, Django**, **HTML**, **CSS**, **jQuery**, **Ajax**, **Git**, **Heroku** and **AWS s3**
- The website consists of individual profiles, custom analytics, cart management for both signed up and guest users
- Utilized **Bootstrap** for CSS styling, **Stripe** for payment options and **MailChimp** to send custom emails to customers
- The application is deployed on **Heroku**, and uses Amazon's **AWS s3** for static files

AWARDS

Awarded as 'Teaching Excellence' by Northeastern University for the academic year (2017 - 2018) on June 9, 2018