**FEI HE**

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**EDUCATION**

**Master of Science, Electrical and Computer Engineering *Jan. 2019 – Dec. 2020***

University of Texas at Austin (GPA: 3.71/4.00)

**Bachelor of Science, Materials Science and Engineering  *Aug. 2013 – Jun. 2017***

Northeastern University (China) (Rank: 3/133)

**SKILLS**

**Languages:** Python, Java, JavaScript, Kotlin, HTML/CSS

**Frameworks and Tools:** React.js, React Native, Vue.js, Django, Flask, MongoDB, MySQL, Bootstrap, Element-UI, jQuery, UML, Maven, Git, Gerrit, Jenkins, Jira

**INTERNSHIP EXPERIENCE**

**DELL, Software Engineer *Jun. 2019 – Aug. 2019***

* Developed time-saving tool for project dependencies copyright scanning work (IPScan) in **Python**, the tool was utilized by the frontend team to search for license of the dependency packages and improved task efficiency by 37%.
* Implemented system language localization with **i18next framework** enabling users to switch system language based on preference.
* Developed Dell Wyse ThinOS 9.0 frontend UI and functionalities with **JavaScript** and **Vue.js / ElementUI**, including out-of-box-experience (OOBE) and Imprivata login window.

**PROJECTS**

**Outdoor Sports Sharing App:** [**Demo link**](https://youtu.be/2hhpuL6s3cQ)**,** [**Source code**](https://github.com/feiut/APT-Explorexas) ***Sep. 2019 – Dec. 2019***

* Built a web cross-platform application where users share their outdoor sports experience with others.
* Implemented backend server with **Flask**, managed user data, such as user subscriptions and personal reviews, through **MongoDB** database.
* Implemented frontend features such as generating reviews, taking photos and displaying reviews on map with **React Native.**
* Developed native Android App with Android Studio in **Kotlin.**

**Event Recommendation System:** [**Source code**](https://github.com/feiut/TicketHub) ***Mar. 2019 – June. 2019***

* Developed web pages (**HTML/JavaScript**) for users to search for event, update preferences and view personalized recommendations. Deployed the service on **AWS**.
* Developed **RESTful** web services with **Java** servlet and Tomcat and managed data with **MySQL** database.
* Designed recommendation algorithm based on user web browsing history, event categories and location.

**Texas Plants Database Website:** [**Source code**](https://github.com/feiut/EE461L-Treexas)  ***Feb. 2019 – May. 2019***

* Implemented features such as viewing plants profile, filtering or searching for plants and posting reviews on plants in Texas.
* Developed backend server in **Python** with **Django** and used **MySQL** as database to manage plants profile data.
* Implemented frontend unit tests with **Mocha**.

**HONORS & SCHOLARSHIP**

**Scholarships for Outstanding Performance** at Northeastern University (China) for top 5% students. ***May. 2014***

**Outstanding Graduate** at Northeastern University (China) for top 10% students. ***Jun. 2017***