

SHRADDHA AGRAWAL

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EDUCATION

Bachelor of Science, Computer Science and Engineering
University of California, Davis
GPA: 3.7

AWARDS

- Dean's List of College of Engineering: Fall 2016 - Spring 2017
- Member of Tau Beta Pi National Engineering Honor Society: Fall 2017 - present

COMPUTER SKILLS

Software

- Python, Java, C++, C, Rust, Ruby, HTML5, CSS, JavaScript, Vue2.js, and MATLAB

Completed coursework

- Data Structures, Algorithm Design, Computer Architecture, Programming Languages, Natural Language Processing, Computer Vision, Artificial Intelligence

EXPERIENCE

Software Engineering Intern | Illumio - Sunnyvale, CA June 2018 - September 2018

- Designed a tool to request and monitor AWS spot instances to reduce cost and simulate real time testing environment
- Automated secure introduction between workloads and policy engine using PKI certificates

Tutor | ECS Department - UC, Davis September 2017 - present

- Taught undergraduate CS and Math courses: ECS 40 (Object oriented programming) | ECS 60 (Data Structures and algorithm analysis) | ECS20 (Discrete Mathematics)

Software Engineering Intern | Ankode Systems - Davis June 2017 - December 2017

- Implemented CSV library and sample codes for Ankur programming language
- Executed exhaustive testing for logic and syntax of Ankur Data Types

Techno-preneur Intern | Abeja, Inc. - Tokyo, Japan. August 2017 - September 2017

- Collaborated with Front end engineering team to develop Cost List feature for Abeja CRM system using Vue2.js framework
- Designed mock website for Abeja merchandise; a single page application using Vuex-state management & Firebase API
- Analyzed Abeja's business model and proposed market potential in Agro-tech where it's technology could be integrated

Global Ambassador Intern | Services for International Students and Scholars - UC Davis March 2016 - March 2017

- Mentored incoming international students by organizing events and introducing them to services and resources at campus

PROJECTS

SupremeBot | ECS 170 - Artificial Intelligence April 2018

- Built StarCraft 2 agent that utilizes reinforcement learning to optimize build order
- Trained the agent in PySC2 AI environment and experimented with RL algorithms such as Q-Table and DQN

MedPreds | TreeHacks February 2018

- Developed web platform that utilizes Google OCR API to convert medical prescriptions to text
- Scraped data from FDA website to extract information about the drug prescribed
- Implemented a Chatbot using IBM Watson Conversation for personalized chat with the user

LivSafe | Cal Hacks 4.0 October 2017

- Designed safety app that analyzes user's surrounding voices using sentiment analyzes and sends texts to user's relatives when distress is detected
- Implemented the architecture by streaming the text of speech to Microsoft Azure cloud, performing analyzes and calling SparkPost's API to send text

PlayAid | TreeHacks February 2017

- Created a recreational website for people suffering from hand-disability that is interactive by Leap Motion, a hand tracking virtual reality device

LEADERSHIP

Co-Founder | Women in Computer Science, UC Davis March 2017- present

- United the community of women in CS to support, empower and prepare them for tech industry
- Organized weekly coding sessions and workshops like IOS app development