

DANIEL VU DAO

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EDUCATION

The University of Texas at Austin Bachelor of Science, Computer Science May 2016
GPA: 3.36

WORK EXPERIENCE

Civitas Learning — Software Engineer; Austin, TX Summer 2016 — Current
Software Engineer on Illume Courses/Students team at Civitas Learning, which aims to increase student success
•Currently a full stack developer, working on front/back-end application features, along with building a new product

The University of Texas at Austin — Undergraduate Teaching Assistant; Austin, TX Spring 2016
Teaching Assistant for CS327E Elements of Databases; A lab-based and normal lecture class
•Worked closely with the professor and other TA to come up with project plans and ideas for the last half of the class
•Graded quizzes/exams/project demos, which included scaling grades and preparing grading rubrics for students
•Answered many students' questions towards specific projects, ranging from Python to database issues on a daily basis

DirectTV — Software Engineering Intern; Los Angeles, CA Summer 2015
Intern on the Authentication Services team which handled internal application authentication using an e-token
•Worked with NodeJS and Express web framework to redesign the existing production authentication mechanism
•Handled RSA encryption/decryption and AES encryption/decryption to authenticate encrypted tokens within requests
•Wrote HTTP endpoints and additional Java services which handled millions of request per day from internal clients

Rougemark.com — Software Engineer; Austin, TX Summer 2014 — Fall 2014
Engineer on the backend team which was responsible for data management via integration of a CMS
•Parsed hundreds of XML feeds for information and converted them into JSON objects for front-end development
•Integrated a content management system to synchronize with current models which was used for user data clean-up
•Collaborated with the UI/UX team to make design decisions that would be factored into user interaction with the app

Applied Research Laboratories — Software Developer; Austin, TX Spring 2014 — Summer 2014
Developer on the ITS team that managed database jobs, which changed daily depending on service requests
•Programmed SQL to query specific data which was used for data analysis in reports
•Wrote PL/SQL to write functions and triggers to be used in cron jobs throughout the laboratory
•Designed shell scripts to automate program execution and database querying, which were run daily as cron jobs

SOFTWARE PROJECTS

StockBrief — Python/Azure ML Spring 2016
•Participated in HackRice 2016 to create a stock application aimed towards briefing individuals with daily predictions
•Wrote code to automate data cleanup of large amounts of data and used Naive Bayes to classify Twitter sentiment

Scenic View — Javascript/HTML/CSS/Apache Cordova Summer 2015
•Participated in end of year hackathon (Hack the Planet) to make a Scenic View mobile app using Google Maps API
•Wrote Javascript to handle filtering scenic points, building routes URL, and create location markers on the user map

Piano Hero — Javascript Fall 2014
•Developed a program at HackTX using the LeapMotion Sensor to detect hand motions and simulate playing a piano
•Designed the algorithm and fed hand/finger data to the front-end graphics which allowed for precise finger motions

Facebook UT Buy/Sell/Trade/Free Macbook Scanner — Python Summer 2014
•Automated bot which scans through UT's Buy/Sell/Trade/Free (Auction) page and sends a Facebook message to a user
•Integrated with Twilio's REST API to notify a person via SMS of a Macbook sale

VOLUNTEER EXPERIENCE

TEALS — Teaching Assistant; Austin, TX Fall 2016 — Current
•Volunteering with a group of software engineers to assist Austin Achieve in teaching a Computer Science course

Austin Digital Inclusion Project — Technical Contributor; Austin, TX Spring 2016
•Worked with a team to contribute to the Digital Inclusion Project aiming to minimize technical illiteracy within Austin

TECHNICAL SKILLS

•Proficient in Java, Javascript, Python
•Comfortable with Git, SVN, SQL, noSQL, Django, Flask, Hadoop, NodeJS, Express
•Exposure to C, ReactJS, Scala