

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 at Civitas Learning, a company aimed at increasing student success
• Working on a general notification system to notify developers of build completion/sanity check failures via Slack/JIRA

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

Austin Digital Inclusion Project – Technical Contributor; Austin, TX Spring 2016
• Collaborate closely with the head coordinator of the Digital Inclusion Project, through phone meetings/weekly emails
• Managed a team which worked on contributing to the Digital Inclusion Project aiming to minimize technical illiteracy
• Set up a and hosted website where citizens of Austin could navigate to and locate technical facilities, such as libraries

TECHNICAL SKILLS

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