DANIEL VU DAO

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EDUCATION

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

GPA: 3.35

Related coursework:

Operating Systems	Android/IOS Mobile Computing	Linear Algebra
Computer Architecture	Computer Networks*	Data Management
Data Structures	Automated Question Answering	Probability
Big Data Programming	Logic, Sets, and Functions	Algorithms

*—Currently enrolled

EXPERIENCE

Civitas Learning — Software Engineer; *Austin*, TX   Summer 2016
Software Engineer I starting June 2016

DirecTV — 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

Tron — Python/Google Glass   Spring 2015
- Collaborated with three other teammates at MHacks V to create a Google Glass implementation of the Tron game
- Wrote a Python REST API using Flask, DigitalOcean, and MongoDB to handle GPS coordinate requests per second

Karma Farm — Python/Android   Fall 2014
- Worked alongside a group of two class members to design a Reddit-based android application
- Constructed and developed a RESTful API using Flask which supported HTTP requests such as GET/POST

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

TECHNICAL SKILLS
- Comfortable with Git, SVN, Eclipse, noSQL, SQL, Django, Flask, Hadoop, NodeJS, Express, Java, C, Python, Javascript