Nicholas Roberts

UC San Diego 2018 (3.9)
B.S. Computer Science,
Mathematics Minor

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Skills

Languages (experienced)
Python, Java, C, C++, Go, MySQL, HTML, JavaScript, Jade, Sass, CSS, NodeJS, JQuery
Languages (competent)
Scala, Groovy, SPARC assembly, Matlab, Bash, Objective-C
Frameworks + Libraries
Android, Django, Harp, Google App Engine, Amazon AWS, Flask, NLTK, Bootstrap, iOS
Other knowledge
Linux, object oriented design, agile software development, quantum information theory, quantum computing, neural networks, unsupervised machine learning

Speaking Events

GDG Devfest
Presented two lectures on Android development at Google Developer Group Devfest
GDG Fresno
Presented Llama Button Android app at Google Developer Group Fresno meeting
GDG FCC
Presented an intro to quantum computing at Google Developer Group Fresno City College meeting

Experience

Cofounder @ skqrl.com (Summer 2016 -)
⚡ Went beta after writing image upload, search, edit experience, edit profile, posting, notifications, invite code system, web crawler, and autocomplete in Django
⚡ Brought hundreds of new users to the invite only beta program
Web Developer @ brainfoodproject.org (Summer 2016 -)
⚡ Launched site after writing full site stack in Go, gohtml, and CSS on Google App Engine
⚡ Taught other developers how to use Google App Engine and Google Domains
Web Developer @ The Comeback Community (Summer 2016 -)
⚡ Developed site in Go, gohtml, and CSS on Google App Engine
⚡ Helped new developers on the team learn to write a website
iOS Intern @ Modspot (Spring 2016)
⚡ Implemented new user account, edit profile, and login designs in Objective-C
Tutor @ FCC Tutorial Center (Spring 2014)
⚡ Helped students understand computer science and math concepts
⚡ Tutored everything from elementary algebra to calculus
Student Aide @ FCC CIT 65, Android App Development (Spring 2014)
⚡ Helped students debug Android assignments and helped to reinforce Java concepts
⚡ Helped instructor get reliable feedback from students regarding course logistics

Education

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Software Engineering (CSE 110), Neural Networks (CSE 190, ip), Advanced Data Structures (CSE 100, ip), Mathematical Reasoning (MATH 109), Quantum Information Theory (MATH 217), Unsupervised Machine Learning (COGS 118B, ip)

Projects

Uncertaintyscript
ℹ Quantum gate scripting language created at HackTech
⚡ Written in Scala using ScalaNLP Breeze and follows the interpreter design pattern
nlp-api.org
ℹ Dockerized web API for sentiment analysis on JSON formatted data
⚡ Written in Python using NLTK, Flask (API), Redis, and Docker using docker-compose
Llama Button
ℹ Android app that displays llamas at quantum random coordinates from the ANU Quantum Optics Lab in Canberra, AU
⚡ Written in Java on Android using JSON data from ANU Quantum Random Numbers Server
NoteSRS
ℹ Android app parody of autocorrect that crowdsources autocorrections
⚡ Written in Java on Android, Google App Engine, Google Cloud Endpoints, and Datastore
Jordan Bot
ℹ A chat bot that quickly learns your language and sentence structure through conversation
⚡ Written in Java on Google App Engine using JGraphT, Objectify, and Google Cloud Datastore

Organizations

Founder @ Google Developer Group FCC
⚡ Advocated Fresno's growing tech scene by promoting local tech events and inviting guest lecturers
⚡ Developed and presented code labs for club members
Treasurer @ FCC Science and Engineering Club
⚡ Introduced members to new science topics by inviting guest lecturers
⚡ Helped organize fundraisers and events