Francesco Agosti

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EDUCATION

DUKE UNIVERSITY
Computer Science B.Sc.
May 2015 | Durham, NC
GPA: 3.5

SOCIAL

Github:// **FrancescoA**
LinkedIn:// **francesco-agosti**

COURSEWORK

UNDERGRADUATE
Databases
Networking
Distributed Systems
Data Structures
Algorithms
Computer Architecture
Software Design
Programming Languages
Web Development
Operating Systems
Mobile App Development
Linear Algebra
Statistics
Discrete Mathematics

SKILLS

PROGRAMMING
Over 5000 lines:
Javascript • Swift • Python
Java • HTML • CSS
Over 1000 lines:
C • Obj-c • Assembly
Technologies:
React • Angular • iOS
PostgresSQL • Node • Django
GraphQL • ORMs • AWS
Etc...

PROJECTS

Payupd
• Sell files online (React, Firebase)
YelpGuess
• Yelp guessing game (React Native)
BitcoinBot
• Automated Bitcoin trader (Python)

EXPERIENCE

YELP | Software Engineer
Aug 2015 – Present | San Francisco, CA
- Led a team of 3 engineers in a complete re-write of the Search feature in the iOS app, going from Obj-c to Swift.
- Mentored 2 web development interns throughout the completion of their summer internship projects: an internal user search session playback tool and search in 'Current Location' on Yelp.com.
- Reduced the load time of the search page by 500ms in the Yelp mobile apps with a major backend rehaul.
- Greatly improved the search suggestion feature by creating a custom typeahead jQuery component and a local storage suggestion cache that led to a really snappy UX.

JUSTALEVEL | Lead Engineer
Feb 2017 – Present | San Francisco, CA
- Led the development of the app from idea to project scoping to full-featured platform.
- Leveraged AWS technologies such as Lamda, Elasticbeanstalk, RDS, SES to deliver scalable solutions from the start.
- Sole developer of the GraphQL backend, which is built on Node.js and runs on AWS Lambda.
- Collaborated with one other engineer to build the React / Apollo front-end application.

S&P CAPITAL IQ | Software Engineering Intern
May 2014 – Aug 2014 | New York, NY
- Developed a graphical programming framework to analyze data from S&P Capital IQ using Polymer.
- Presented my project to over 50 full time employees at the end of the internship.
- Built a financial services social network with 7 other interns using Ember.js and Node.js.

CYTORA | Software Engineering Intern
Jan 2014 – Apr 2014 | London, UK
- Refactored front-end Angular.js app to make code more modular and concise. Periodically implement new features.
- Used Elasticsearch to allow users to search millions of articles worth of data.
- Implemented a centralized log monitoring system for cloud instances using Elasticsearch, Logstash and Kibana.

RESEARCH

DUKE UNIVERSITY PHYSICS | Research Fellowship
May 2012 – Aug 2012 | Durham, NC
Assisted Prof. Mark Kruse in addressing the question of fractionally or doubly charged particles.