Divya Jagadeesh

Software Engineer • Graduate Student • Seeking 2018 Summer Internship

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EDUCATION

University of Southern California
2016 – Present • Los Angeles, CA
Master of Science in Computer Science
Expected December 2018
Scientists and Engineers Option

Penn State University
2013 – 2016 • University Park, PA
Bachelor of Science in Mathematics
Graduated May 2016
Minor in Statistics
Concentration in Computer Science

SKILLS

Programming Languages
C, C++, Java, Python, HTML5, CSS3, MySQL, Postgres, R Command, Matlab

Tools
Git, Github, Bitbucket, Linux, Unix, Bash, Tcsh, Postman, MongoDB, Google Cloud

Courses
Algorithms, Artificial Intelligence, Operating Systems, Computer Architecture, Databases

AWARDS

BNY Mellon Hack-a-thon Winner
Javascript • Ionic
QR Scanning Code App

Women in Mathematics Scholarship Recipient
Genomics • Likelihood
Natural Selection on the Human Genome

Northrup Grumman Hack-a-thon Most Spirited Team Award
Java • Android Studio
Disaster Relief Form with GPS tracker App

ORGANIZATIONS

USC Triathlon
September 2017 – Present

USC Association of Computing Machinery
October 2017 – Present

Penn State Natya Dance Team
September 2013 – May 2015

INTERESTS

Bharatanatyam, Triathlon , Violin, Psychology, TED Talks, Coffee, Food

INTERNSHIPS

BNY Mellon • Application Platform & Services Intern
June – August 2017 • Pittsburgh, PA

∗ Rewrote and UX tested NEXEN API documentation, further implementing it to BNY Mellon's internal developer site in order to teach employees of all technical backgrounds how to begin using NEXEN's API

∗ Conducted daily SCRUM meetings, worked as a team under Agile methodology, and presented progress at bi-weekly sprints to stakeholders, service owners, and investors

∗ Constructed Crafter components with HTML and CSS onto client-facing development site to add functionality to UX

BNY Mellon • Mobile Development Intern
June – August 2016 • Pittsburgh, PA

∗ Worked on development team to contribute to bug improvements and feature updates to existing mobile application

∗ Created and installed sound detection devices with breadboards, microphones, and Arduino on limited time and budget

∗ Managed MySourceSocial webpage for new app updates, feature requests, and bug updates to mediate consumer needs and development team mandates

PROJECTS

Wedding Seating Arrangement
Python • DPLL Algorithm • SAT Encoding

∗ Outputs a wedding seating arrangement based on the number of guests, number of tables, and number of seats per table
∗ Considers people who must sit with each other and people who cannot sit with each other

Bucket Filter System
C • Multithreading • Mutexes

∗ Takes incoming packets and services them based on their token value and whether there are enough tokens in the bucket

∗ Gets rid of packets whose token value is larger than the bucket capacity

∗ Stops servicing when user presses stop or when all packets have been serviced or dropped

Maze Search
Java • Recursion

∗ Takes a maze as input and calculates a valid path from start to finish

∗ Outputs an error message if there is no valid path

TEACHING

Penn State University • Learning Assistant
September 2015 – May 2016 • University Park, PA

∗ Tutored students to help them understand the basics of C++ and procedural-oriented programming

∗ Led student-facilitated project review sessions