Gauri Iyer

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Objective

looking for: full time software dev positions starting in
- fall '19 (in lieu of getting my M.S.)
- or fall '20 (after getting my M.S.)

interested in: educational technology, HCI, UX, machine learning

Education

UC San Diego — Computer Science B.S. '19, M.S. '20
- GPA: 3.69
- Tutor for Data Structures
- Volunteer Coordinator for CS ForEach

Internship Experience

Amazon — Software Development Engineering Intern (2018)
- Wrote a script to capture 3D sensor data with multiprogramming
- Trained binary classifier with convolutional neural networks
- Predicted new data in real time with 98% precision, 95% recall

Northrop Grumman, Corp. — Software Engineering Intern (2017)
- Automated code conversion for C++11 standards compliance
- Implemented abstraction of third-party logger using C++ interfaces
- Designed interactive splash screen using Visio

HyTrust, Inc. — Software Development & Technical Writing Intern (2016)
- Wrote "Introduction" and "Dashboard" chapter as technical writer
- Tested new features for browser compatibility using vSphere clients

Current Projects

Curriculum Development
- Currently facilitating EDS 124BR (Teaching Computational Thinking for Everyone), a block-based programming & pedagogy MOOC offered at UC's through Coursera
- Make quiz questions, Parson's problems, instructional guides, learning objectives

Personal Website: iyergauri.com
- Created from scratch with HTML, CSS, and Bootstrap
- Hosted on GitHub Pages & tracked with Google Analytics

Skills

Programming languages: Python, Java, HTML, Bootstrap, CSS, JavaScript, C++, C, ARM / MIPS / SPARC assembly, MATLAB

Programming principles: data structures, algorithms, HCI design, iterative design, prototyping, web and Android app development, artificial neural networks

Tools: GitHub, Unix, Vim, Android Studio, VS, Eclipse, IntelliJ, MeshLab, CloudCompare

Other skills: accessibility heuristics, test-driven development, technical and document writing, Agile [JIRA, Asana, Trello], computer science tutoring and education