PARAM BIDJA

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EDUCATION

Honors Bachelor of Science in Engineering: University of Connecticut, Computer Science & Engineering, Mathematics Minor, **GPA: 4.0/4.0** — Sept 2015 - May 2019

Relevant Courses: Object-Oriented Programming, Data Structures, Discrete Systems, Software Engineering, Algorithms & Complexity, Systems Programming, Circuits I, Computer Architecture

EXPERIENCE

Amazon | Software Engineering Intern — May 2018 – Aug 2018
- Team: Finance Technology

J.P. Morgan Chase | Summer Technology Analyst — June 2017 – Aug 2017
- Developed intelligent UI & micro-services (in Java, Node.js, and Python) to automate Chase Digital's QA process. Full-stack & Agile development.
- Automated Chase Digital's QA process by developing historical/pattern-based analysis tools for automated builds.

Yale University | Software Engineering Intern — June 2016 – Aug 2016
- Developed front-end and search enhancements to Yale University's Campus Map utilizing JavaScript, jQuery, & CartoDB.
- Designed and developed Amazon S3 file transfer client with single-sign on through SAML login using Python, PHP, and JavaScript (Dropzone.js).
- Created dynamic website for Yale University School of Music with live calendar and social media updates.

Laboratory of Machine Learning and Health Informatics | Undergraduate Researcher — Jan 2017 – present
- Develop machine learning based projects with Dr. Jinbo Bi (Department of Computer Science & Engineering).
- Project 1 (completed): analyzed & built a visualization tool for a variation of Google DeepMind's AlphaGo algorithm known as AlphaToe.
- Project 2 (completed): built a web-based image classifier using transferred learning.

University of Connecticut | Computer Science & Engineering Teaching Assistant — Jan 2017 – present
- Instruct labs and mentor students through problem-solving & exam review sessions.
- Spring 2017, Fall 2017: CSE 2050 (Data Structures and Object-Oriented Design)
- Spring 2018: CSE 3666 (Computer Architecture)

PROJECTS

Image Classifier — Sept 2017 – present
- Developed web application for image classification using transferred learning
- Check it out here: tiny.cc/img-classifier

University of Connecticut Transportation Mobile App — Jan 2017 – May 2017
- Developing Android application for UConn bus system with three other UConn students

EpiPing — March 2017
- Designed and built a smart EpiPen using a Rasberry Pi which sends emergency alerts & location to medical personnel when using an EpiPen.

AlphaToe Modeling — Feb 2017 – April 2017
- Built graphical modeling for open-source machine learning project known as AlphaToe

SKILLS

Programming
- Proficient: Python, Java, C, JavaScript, MIPS (assembly)
- Familiar: Bash, Lisp (Scheme), Swift, SQL
- Learning: TensorFlow, NodeJS

Developer Tools
- Git, Linux, Eclipse, Emacs, Command Line Interface, REST APIs, AWS Elastic Beanstalk

HONORS & AWARDS

2nd place | HackUConn
Oaklawn Scholar | University of Connecticut Honors Program
Homer Babbidge Scholar | University of Connecticut Honors Program (Spring '17, Spring '18)
Member | Upsilon Pi Epsilon Honor Society for Computing Disciplines
Dean's List | University of Connecticut School of Engineering (All semesters)
1st place | Connecticut Future Problem Solving