

# Preston Bao

## Computer Science Student

### CONTACT

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### PROFILES

LinkedIn: linkedin.com/in/prbao

GitHub: github.com/prestonbao

GitLab: gitlab.com/prestonbao

### COURSEWORK

Software Engineering / Cloud  
Computing / Data Mining / Ethical  
Hacking / Computer Networks /  
Algorithms / Data Structures

### PROGRAMMING LANGUAGES

Python	Java
Angular	ReactJS
Bash	C

### TOOLS

Docker / Git / Google Cloud Platform  
AWS / Microsoft Azure / Jira /  
Kubernetes / Photoshop / Illustrator

### INTERESTS

Basketball / Volleyball / Football /  
Sports Analytics / Graphic Design

### EDUCATION

# Fall 2016 - Spring 2020

B.S. in Computer Science at the University of Texas at Austin

- College of Natural Sciences
- University Honors: 2016 - 2019
- GPA: 3.71

### EXPERIENCE

# June 2019 - Aug 2019

Software Engineer Intern at JPMorgan Chase

- Modernized legacy mortgage application into secured full stack application using Angular, Spring Data JPA, and Oracle DB.
- Implemented SSO for seamless user login experience and SFTP for protected data transport to and from vendors.
- Deployed application on internal cloud platform, integrated with Jenkins and JUnit for CI/CD to ensure standardized testing and proper handling of customer information.

# May 2018 - Aug 2018

Software Engineer Intern at Cisco

- Containerized micro-service testing framework using Docker and Cisco's internal container orchestration platform.
- Developed Python and Bash script to establish environment for automated execution of unit and functional tests and continuous integration using Jenkins, resulting in improved accessibility and efficiency.
- Enhanced WebEx Java source code to integrate with performance monitoring and management tool, which allowed for better response to client generated errors.

### PROJECTS

#Spring 2019

Internet Database Project

- Designed a responsive website, hosted on AWS, to promote civic engagement regarding natural disasters.
- Supplied information to ReactJS frontend via a RESTful API, which exposed data mapped from a SQL database through Flask.
- Deployed overall project using AWS Cloudfront, EC2, RDS, and S3.

#Spring 2019

NBA Statistics Comparison Tool

- Devised a NBA player comparison tool hosted on Microsoft Azure Cloud with ReactJS, Flask, and Oracle DB.
- Utilized Kubernetes to deploy Docker container built from Azure Container Registry.

### LEADERSHIP

# Fall 2017 - Spring 2018

Filipino Student Association

- Organized and facilitated meetings, intramural leagues, and other social and cultural events for an organization of over 400 members.