Zibing Zhang

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ZibingZhang | Zibing Zhang
Available May - December

EDUCATION

Northeastern University, Boston, MA 2023
Khoury College of Computer Science, *Candidate for Bachelor of Science in Computer Science*
College of Science, *Candidate for Bachelor of Science in Mathematics*

Relevant Courses:	Algorithms • Object-Oriented Design • Programming Languages Linear Algebra • Probability and Statistics • Abstract Algebra
Honors:	GPA: 3.97 / 4.00 | Dean's List
Student Organizations:	Member of Club Swim Team, Peer Mentor for Incoming Freshman

WORK EXPERIENCE

PowerAdvocate, Boston, MA January – August 2020
Software Developer

- Rebuilt and released Spend Intelligence, a web-based, analytics platform that enables clients to perform in-depth analysis regarding how they spend their money
- Led the effort to perform a data migration prior to the release which required a deep understanding of the old and new database designs
- Initiated cross-team collaboration to design and implement new endpoints in Kotlin and JavaScript based microservices
- Delivered a presentation to the department on the infrastructure behind the analytics platform which consists of several databases and microservices
- Frequently pair-programmed and worked with team members to complete stories and features
- Onboarded a group of 7 new hires and evaluated the remote onboarding process to provide feedback and to add improvements

Northeastern University, Boston, MA September – December 2019
Fundamentals of Computer Science 1 Tutor

- Guided students with homework and understanding of lectures during weekly office hours
- Critiqued students' biweekly homework assignments in a timely manner
- Notified instructor of feedback regarding recent assignments during weekly staff meeting

PROJECTS

Basic Student Language Interpreter December 2020
TypeScript, Ace

- Applied principles from the Programming Languages course in order to write an online interpreter for BSL
- Employed four distinct intermediate representations in order to provide meaningful error messages
- Implemented over 90 built-in constants, functions, and structures

Racket Interpreter June 2020
Python, TravisCI, Codecov, Sphinx

- Designed and implemented an interpreter for a substantial subset of the Racket programming language
- Integrated TravisCI and Codecov to provide continuous feedback on build status and test coverage
- Documented code using the reStructuredText format to enable Sphinx to autogenerate documentation which is hosted by GitHub Pages

TECHNICAL KNOWLEDGE

Languages:	Python, JavaScript, TypeScript, Java, Racket, SQL, HTML, CSS
Other:	React, Git, Subversion, Microsoft Suite

INTERESTS

Interests:	Epic Fantasy, Trick-Taking Games, Swimming, Rock Climbing