

# Zerun Tian

tian.ze@husky.neu.edu |  
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| www.zeruntian.com

Education	<b>Northeastern University</b> , Boston, MA <b>Khoury College of Computer Sciences</b> <i>Candidate for a Bachelor of Science in Computer Science</i> <b>Related Courses</b> Artificial Intelligence, Software Development Object-Oriented Design, Computer Systems <b>Honors</b> Dean's List, <b>GPA: 3.8/4.0</b> <b>Activities</b> Webmaster of Gleentown Education	September 2016 - Present Expected May 2020
Technical Skills	<b>Languages</b> <b>proficient:</b> Java, Python, C, HTML, CSS, MySQL <b>prior experience:</b> JavaScript, Swift, Bash <b>Frameworks</b> Spring Boot, RESTful Web Services, React, NodeJS, JUnit <b>Platforms and Tools</b> Heroku, Amazon S3, Unix shell, Vim, JetBrains IDEs, Jira	
Work Experience	<b>Northeastern University</b> , Boston, MA <i>Teaching Assistant for Object-Oriented Design</i> <ul style="list-style-type: none"><li>Guided students in understanding design patterns and data structures.</li><li>Reviewed coding assignments and provided detailed feedback on how to improve.</li></ul> <b>Lenovo</b> , Beijing <i>Quality Assurance</i> <ul style="list-style-type: none"><li>Built 3 different configurations of a desktop from scratch and preloaded operating systems and drivers.</li><li>Tested compatibilities of software and reported functional bugs during the regression testing phase.</li></ul> <b>Fenway Health</b> , Boston, MA <i>Technical Support and Systems Assistant</i> <ul style="list-style-type: none"><li>Troubleshoot software issues in order for employees to use computers smoothly.</li><li>Wired patch panel and switch rack for deploying a network system of a new site.</li><li>Implemented system-wide program updates and new software rollouts.</li></ul>	September - December 2018 August 2018 January - June 2018
Projects	<b>Gomoku AI</b> (Python) <ul style="list-style-type: none"><li>Created a traditional 15x15 chessboard game with pygame module.</li><li>Applied the Minimax algorithm with Alpha-beta pruning along with specially designed heuristics to improve efficiency.</li><li>Modeled the problem as a Markov Decision Process and designed an reinforcement learning agent using Approximate Q-learning with decent feature extraction functions.</li></ul> <b>Memory Allocator</b> (C) <ul style="list-style-type: none"><li>Wrote a memory allocator designed to be efficient and safe for multi-threaded tasks for the language C.</li></ul> <b>Office Locator</b> (Java) <ul style="list-style-type: none"><li>Reduced repetitive tasks by developing an internal tool for IT staff to keep track of employees' working locations.</li></ul> <b>The City I See Web Page</b> <ul style="list-style-type: none"><li>Created a static website for a local organization from UI design and implementation to deployment on Amazon S3.</li></ul>	November - December 2018 November 2018 May 2018 November 2017