**Peter Zheng**

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|  | | **Education** | | | | **Binghamton University, State University of New York May 2015**  Bachelor of Science in Computer Science  *course highlights: Data Structures & Algorithms, Database Systems, Operating Systems*  **App Academy December 2015**   * Intensive web development training program * Emphasizes pair programming. Acceptance rate < 5% | | | | |  | |
|  | | **Skills** | | | | **Languages:** Java, C/C++, C#, Python, SQL, Assembler, Ruby, Javascript, HTML, CSS, LESS  **Tools:** Eclipse, Visual Studio, IDLE, Unity, Ant, Atom, Git, AWS, SQL Server  **Other:** AJAX, jQuery, Rspec, React, Ruby on Rails, Bootstrap | | | | |  | |
|  | | **Projects** | | | | **Zelp**  [Live](http://www.zelp.us/)● [**GitHub**](https://github.com/pzheng2/Capstone-Yelp)   * Single-page React app built on Ruby on Rails, inspired by Yelp * Used paperclip and AWS S3 to allow users to upload images to the cloud. * Used google maps API and ruby geocoder to verify map coordinates of restaurants. * Supports multi-search using the PgSearch gem and kaminari to paginate search results.   **Maze Generator/Solver**   * Implemented Prim’s algorithm for maze generation and calculated the shortest path between two points using Dijkstra’s algorithm. * Generated a 3D maze using the Unity engine. * Written in C#   **School Database System**   * Developed using Java and SQL * Supports all CRUD operations * Created tables for storing students, courses and enrollments and triggers to update tables automatically.   **Generic Checkpointing**   * Developed an easily extendable generic library to serialize and deserialize objects in XML. * Implement the strategy pattern and dynamic proxies using Java Reflection. | | | | |  | |
|  | | **Experience** | | | | **Software Engineer at GreenSlate (formerly IndiePay) July 2016 - Present**   * Writing code in every level of the stack: SQL, C#, javascript, html, less, css. * Designing and implementing various new features such as a notifications system, dashboard with real time statistics and an eco-tracker page.   **Course Assistant December 2012**  Programming Concepts & Applications  Binghamton University, State University of New York   * Conducted weekly labs and held regular office hours. * Responsible for evaluating assignments and projects for 30 students. | | | | |  | |
|  | | **Software**  **Contests** | | | | **Rensselaer Polytechnic Institute Hackathon**  24-hour hackathon   * Created an interactive game using Leapmotion software in a small team.   **Programming Competitions**   * Indeed Prime Challenge on HackerRank (third place prize) | | | | | | |
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