Ran XIA

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WORK EXPERIENCE

Senior Software Engineer   **Microsoft**   **11/2018–present**
- Teams for SMB (Small Medium Business), Teams
  o Tech lead in external collaboration feature area. Collaborated with product managers, UX designers and other engineers, built multiple features that provide better user experience in external collaboration, which drove user engagement in SMB (Small Medium Business) customer segment.
  o Oversaw the org's feature performance and telemetry effort, made sure all the features and services are ready for production and can be monitored, by establishing SOP (standard of process) for the org, offering guidance and training, and continually helping enhance live-site monitors and dashboards.
- Teams for Education, Teams
  o Led the design and implementation of navigation framework for Teams for Education's new web client. Collaborated with multiple partner teams across the org to ensure the architecture meets all teams' requirements.
  o As performance champion of the team, developed a "performance first" culture on the team. Constantly led the team's overall performance improvement effort, which reduced latency in key user scenario (channel switch time) by 8% in last year.
  o Improved class setup experience in Teams for Education by full-stack designing, developing, testing, and maintaining multiple demanding features, including empty state suggestions, class teams' early access, educator-led class team creation, and re-implementation of clone team to make the feature stable and reliable.

Software Engineer   **Tableau Software**   **11/2015–11/2018**
- Tableau Catalog, Data Management
  o Designed and developed a document content parse service to serve upper layer services.
  o Designed, implemented, and maintained a staging environment for the team to do end-to-end test and QA test.
- Filters, Visualization
  o Full stack designed, developed, tested, and maintained multiple high demanding filtering features on both desktop and web, including cross DataSource filtering, date filters preset and cascading filters.
  o Main contributor of the company's TDD community that committed to improve automation and unit test coverages in a continuous delivery environment.
  o Drove a developer practice program inside the team, targeting learning skills to effectively redesign and refactor large legacy system. When the program ended, all 11 team members have gained more confidence and skills to safely refactor.

Software Developer   **Data Science, Biomedical Informatics, OSU Medical Center**   **01/2014–08/2015**
- Visual Analysis Platform for Large Network Data
  o Full stack designed and implemented the platform which allows users traverse a large graph in an iterative manner.
  o Invented and implemented multiple algorithms to reduce the time complexity of graph clustering and drawing, which detects communities of a large graph with 3 million nodes and 117 million edges in only 25mins

EDUCATION

The Ohio State University (OSU), Department of Computer Science and Engineering, Columbus, OH, USA
   M.S. in Computer Science and Engineering, May 2015
Beihang University (BUAA), School of Economics and Management, Beijing, China
   B.B.A. in Information Management & Information Systems with Minor in Applied Mathematics, July, 2013

SKILLS

JavaScript, TypeScript, React (Redux), GraphQL (Apollo), node.js, C++, Java, gRPC, d3.js, SQL, Bootstrap, C#, .Net Framework, Qt, MongoDB, Git, Perforce, GEPHI, Tableau, TeamCity, Azure, AWS , Microservice Architecture, Serverless, Refactoring, OOD&P, TDD, Agile