

Tianyuan (Tarrant) Zhang

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EDUCATION

University of Illinois at Urbana-Champaign

- Master in Computer Science
- James Scholar, Dean's List

Expected Graduation: May 2017

GPA: 3.5/4.0

Relevant Coursework:

Data structure, Algorithms and Models of Computation, System Programming, Database Systems, Distributed Systems, Communication Networks, Computer Architecture, Data Mining, Artificial Intelligence, Computer Vision

WORK EXPERIENCE

Software Developer at Yahoo!, Inc.

June 2016 – August 2016

Summer Internship

- Open source contributor for Elide, a web services adaptor for database system. (<https://github.com/yahoo/elide>)
- Contributed and assisted in developing Elide version 3.0:
 - Implemented support for pushing security permission to data store layer.
 - Reconstructed operation lifecycle to provide more extendibility and liability.

Software Developer for Stakeholder Preference Analytic System

Oct 2015 – May 2016

Part-time Developer

- Developed a prototype that evaluates user's preference toward a specific architect object
- Parsed and analyzed BIM (building information model) files for architectural calculation
- Gathered demands and feedbacks weekly from client and designed professional UI

PROFESSIONAL EXPERIENCE

API Developer for IMO(Intelligent Medical Objects, Inc)

- Designed and provided technical solutions and APIs to medical systems
- Utilized various database including NoSQL(Mongodb) and SQL databases
- Created APIs with ASP .Net and handled FHIR(*Fast Health Interoperability Resources*) objects

Quadpod, a photograph rating application

Hackday project for Yahoo!, Inc

- Led a team of 4 to build an image aesthetic rating application utilizing Tripod engine.
- Created an automatic photo capturing and rating system on IOS with React Native.

MapReduce Framework Running on a Distributed File System

- Created a heartbeat network to maintain node cluster
- Designed a distributed file system to manage files in cloud
- Implemented a MapReduce framework allowing distributed computing on multiple machines

LEADERSHIP EXPERIENCE

Vice-director, UIUC CSSA Web and Technology

Jan 2013 - Present

- Led CSSA website front/back end developing and offered technical consulting
- Configured CSSA official forum Solr searching engine and added Chinese searching support.
- Offered skill training to new group members

SKILLS & INTERESTS

Skills: Java, Python, C++/C (Proficient), C#, .Net, PHP, Matlab, R, React-Native, CSS, HTML, Scheme, MySQL, MongoDB, RESTful API.