

Thien Quang Vo

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EDUCATION

The University of Texas at Austin, Austin, TX

Expected June 2018

Bachelor of Science in Computer Science

GPA: 3.8

WORK EXPERIENCE

MaxPoint Interactive Inc., Austin, TX

Summer 2017

Software Engineer Intern [Scala, Spark, Python, Java, Cascading]

- Convert map reduce jobs to Spark jobs to improve performance and to reduce resource consumption
- Guide and advise other teams on job conversions

McCombs School of Business, Austin, TX

October 2016 - Present

Web Developer [Bootstrap, jQuery, C#, ASP.NET, Sitecore]

- Develop new web application features and renovate the website layouts

PROJECT

Performative Conversion [Scala, Spark, Python]

- Convert several intensive map reduce jobs to use Scala and Spark instead of Java and Cascading
- Reduce resources consumption and runtime by 40-55%
- Provide a framework (unit testing model, schema library, job flow) for future conversion of other jobs
- Provide a Python Jupyter notebook that quickly graph and identify top resource consuming jobs

InspireMe [Node.js, Slack API, jQuery]

- Send an inspirational/motivational quote to the user daily and/or upon request from an internal database built from GoodReads, Forismatic, Quotery, BrainyQuote

Class Profile Generator [jQuery, C#, Sitecore]

- Automate the process of creating a class profile page for McCombs School of Business
- Reduce the time to complete a task by over 50%

Pintos [C]

- Expanded a skeletal OS to include priority scheduling, virtual memory, argument passing and calls for user programs
- Converted the existing single-threaded file system to multi-level indexed file system

TECHNICAL SKILLS

Programming languages: Scala, C++, C, Java Python, HTML, CSS, PHP, JavaScript (jQuery, nodeJS)

Database: MySQL

Testing: Scala Test, Google Test, Scovrage, Gcov

Other experience: Spark, GitHub, IntelliJ, Eclipse, Jira, Jupyter, Atom

RELEVANT COURSEWORK

Completed:
Data Structure and Algorithms
Computer Architecture
Object-oriented Programming
System Security
Operating System
Data Management

Current:
Data Mining
Software Engineering
Algorithms and Complexity