SHILEI LIN

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EDUCATION
2014.01-2017.05
BACHELOR OF ARTS, SAINT JOHN'S UNIVERSITY

COLLEGEVILLE, MINNESOTA, USA

- ➢ *Major: Computer Science/Mathematics*
- ➢ **Dissertation:** "High-Performance Techniques Applied in Partial Differential Equations Library". The aim of the project was to update Finite Element Method library - *deal.ii* with an updated version of *Trilinos* packages for increased time efficiency.
  Advisor: Dr. Mike Heroux, and Dr. Michael Tangredi
- ➢ **Modules included:** Numerical Analysis(A), Databases(A), Mathematical Modeling(A), Computer Algorithms(A), Computer Systems(A) and Differential Equations (AB), Data Mining and management (AB).
- ➢ **Final GPA:** *3.73* with honor *Cum Laude*

RESEARCH EXPERIENCE
2016.03 – 2017.06
RESEARCH ASSISTANT, SAINT JOHN'S UNIVERSITY

Computer Science and Mathematics Department

- ➢ Conducted research on the field of high-performance computing.
- ➢ Acquired and utilized knowledge including scientific computing, then formally presented, interpreted and analyzed quantitative and qualitative data as results.
- ➢ Was part of the computational science and engineering (CES) research team – *Collegeville* led by Dr. Mike Heroux.

TEACHING/ADMINISTRATIVE EXPERIENCE
2018.03 - PRESENT
ACADEMEIC AMINISTRATOR/ADVISOR CHENGDU, SICHUAN, CHINA

Pioneer Education

- ➢ Scheduled Courses, collected and analyzed students' transcripts and communicated with instructors and various institutions.
- ➢ Coordinated student and school activities, courses and projects.
- ➢ Advised students on their curriculum planning and organized student activities.

2015.08 – 2017.06
TEACHING ASSISTANT, SAINT JOHN'S UNIVERSITY

Computer Science and Mathematics Department

- ➢ Graded student assignments, answered questions, and provided help during lab sessions and organized small class discussions.

- ➢ Held night lab hours to assist students to understand concepts and touring hours to guide students with field related materials.
- ➢ Worked closely with lecture instructors, prepared course materials. Often engaged students to understand their needs and provided timely feedback to instructors.

2015.01 – 2015.12
STUDENT SUPERVISOR, SAINT JOHN'S UNIVERSITY
Culinary service
- ➢ In charge of staff deployment, attendance and assessment.
- ➢ To ensure each station is fully functional during the business hours.
- ➢ In charge of the management of cafeteria property, equipment and supplies.
- ➢ Assisted the cafeteria manager to carry out relevant tasks for training and constantly aided student employees with the improvement of related skills.

PROFESSIONAL EXPERIENCE
2017.06 – 2018.02
JUNIOR JAVA ENGINEER - GUOXIN YOUEDATA CO., LTD., CHENGDU, SICHUAN, CHINA
In charge of development of a data management platform based on the disparate system.
Duties involved:
- ➢ Executed process analysis and system deployments.
- ➢ Assisted the clients with their daily work, including business investigation, communication, daily documentation, testing and user training.
- ➢ Actively participated as a member of the project team in carrying out all aspects of the clients' requirements.

2017.06 - PRESENT
PROJECT MANAGER – PIONEER EDUCATION CHENGDU, SICHUAN, CHINA
In charge of development of an intranet student-course-management web application.
Duties involved:
- ➢ Ensured that the project achieves client objectives, formulated the project milestones and the overall project control.
- ➢ Developed micro and macro management schemes for specific needs.
- ➢ Frequently engaged with clients and made modifications according to their demands.

ACTIVITIES
2014.01 – 2017.05
ALL-COLLEGE CHOIR, SAINT JOHN'S UNIVERSITY
- ➢ Awarded for the completion of four-year All-College Choir plaque.

2016.01 – 2017.03
TEAM LEADER FOR ROBOTICS, SAINT JOHN'S UNIVERSITY
- ➢ Assisted the instructor with writing robotic algorithms and technique supporting materials and organized the equipment.
- ➢ Guided students in robotic program design and provided technical assistance with equipment and programming software.

IT AND TECHNICAL SKILLS

PROGRAMMING
- ➢ Proficient in using Java, C++, MYSQL, jQuery, Oracle SQL, JavaScript and HTML 5.
- ➢ Proficient in developing web-based software by using Spring framework with RESTful architectural style.

OPERATING SYSTEMS
- ➢ Knowledge related to operating systems (memory management, multi-threading and distributed storage).

GENERAL IT SKILLS
- ➢ Experienced in Microsoft Office Suite, TeXstudio, MATLAB, Mathematica, IntelliJ Idea and Adobe Photoshop.

REFERENCES

Dr. Imad Rahal (Primary Advisor), Ph.D.
Department of Computer Science
Saint John's University
2850 Abbey Plaza,
Collegeville, MN 56321
Email: irahal@csbsju.edu
Tel: 320-363-2837

Dr. Mike Heroux (Project/Thesis Advisor) , Ph.D.
Senior Scientist, Center for Computing Research
Sandia National Laboratories
18125 Kreigle Lake Road,
Avon, MN 56310
Email: maherou@sandia.gov
Tel: 320-363-3394

Dr. Jennifer Galovich (Advisor), Ph.D.
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