Brandon Ginoza

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EDUCATION

ALLEGHENY COLLEGE

BS in Computer Science
Minor in Economics
Expected May 2016 | Meadville, PA
Major GPA: 3.534 / 4.0

LINKS

github.com/ginozab
bitbucket.org/ginozab
linkedin.com/in/ginozab

SKILLS

PROGRAMMING

3 years:
Java
1 year:
R Language • LaTeX
Familiar:
C • MIPS Assembly • Python
Bash • SQL

SOFTWARE

Vim • Tmux • Git
Slack • Gradle • JUnit Testing
Mac OSX • Linux
Eclipse • R Studio

COURSEWORK

MAJOR

Intro to Computer Science I
Intro to Data Structures
Programming Language Concepts
Multi-Agent and Robotic Systems
Principles of Computer Organization
Research Methods in Computer Science

MINOR

Intro to Managerial Economics
Microeconomic Theory
Economics of Entrepreneurship I
International Economics
Economic Statistics
Macroeconomic Theory

EXTRA-CURRICULAR

Tailback | Football
Allegheny College • 2012-2013

RELEVANT COURSES

PRINCIPLES OF DISTRIBUTED SYSTEMS | Completion in May 2016

- Examined the principles and paradigms associated with the design, implementation, and analysis of distributed systems
- Covered the characterization of distributed system models, remote communication, distributed scheduling, synchronization and mutual exclusion, consistency and replication, and fault tolerance

DATA COMMUNICATIONS AND NETWORKS | Completion in May 2016

- Introduced to the theory and techniques of network design and analysis
- Covered data communications concepts, layered network architectures, local and wide area networks, protocols, switching, routing, and security

PRINCIPLES OF SOFTWARE DEVELOPMENT

- Learned the principles and concepts used in the specification, design, implementation, testing, and maintenance of large software systems
- Worked in a team and developed a transportation scheduling application for a faculty member working with volunteers at Allegheny College

PRINCIPLES OF DATABASE SYSTEMS

- Covered data models, logical/physical database design, data access/search techniques, mappings from logical to physical structures, storage, and utilization
- Generated various visual representations of trends seen in real world data using the R language for statistical computation

ANALYSIS OF ALGORITHMS

- Developed an expertise in mathematical analysis and algorithmic programming methodology and covered models of computation, design of efficient algorithms, computational complexity, and NP-completeness
- Worked in a team to develop an algorithm with the goal to determine fair room draw numbers to students at Allegheny College

EXPERIENCE

SOFTWARE DEVELOPMENT RESEARCHER

Gregory Kapfhammer | Allegheny College
June 2015 – August 2015 | Meadville, PA
Worked with Gregory Kapfhammer to develop a system that used machine learning algorithms in the R language for statistical computation, in order to predict the overall effectiveness of test suites based on Java source code metrics.

GOLF CAMP ASSISTANT

Rick Hunter | Jr. Golf Academy
June 2014 – August 2014 | Chino, CA
Assisted groups of approximately 10 children ages 5 to 13 years old with golf drills

HONORS

2015	Cupper Research Scholar	1 of 2 chosen for a research opportunity
2015	Alden Scholar/ Dean's List	Achieved a GPA of 3.20 or higher