Jamie Maher

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EDUCATION

University of Notre Dame; Notre Dame, IN

- B.S. in Computer Science, Anticipated May 2018

Relevant Courses:

- Discrete Mathematics, Logic Design, Basic Unix, Computer Architecture, Data Structures, Operating Systems, Theory of Computing, Algorithms (IP), Database Concepts (IP)

SKILLS/STRENGTHS

- **Technical skills**: C++, Python, SQL, C, HTML, JavaScript, Shell, Unix, Ruby, C#
- **Professional**: Self-motivated, critical thinker, focused, organized, creative, analytical, detail-oriented

EXPERIENCE

Application Developer Intern, Credit Suisse; New York, NY   Summer 2017
Worked closely with Trade Management Technology to identify data lineage for downstream systems. In addition, worked on an intern project with Credit IT to build a headcount tracking and reporting tool that helped COOs and other users better understand their workforce data.

Engineering Peer Mentor, Notre Dame College of Engineering; Notre Dame, IN   2016 2017
Planned, set up, and attended events for first year engineering students throughout the year. Being a mentor also required understanding and developing a plan for first year students to implement their class and choice of major.

Researcher, Notre Dame Department of Computer Science; Notre Dame, IN   Summer 2016
Research assistant to Professor Christian Poellabauer in his work with the Mobile Computing Laboratory. Work focused on the design and development of an online speech repository, which supported Parkinson's and autism speech data collection.

Caller, Notre Dame Alumni Association; Notre Dame, IN   2015 2016
Contacted friends and alumni of the University to ask for donations to the Notre Dame Fund. Strong interpersonal skills were essential. Confidence, friendliness, and negotiating skills were also required and fostered.

Instructor, Mathnasium; St. Charles, IL   2013 2015
Tutored K-12 students who were both remedial and advanced in their study of mathematics. Direct responsibilities included assessing students' mathematical capabilities, instructing new concepts, practicing problems, and enforcing previous mathematical knowledge.

PROJECTS

- Tron: Used Twisted and Pygame libraries to make a 2-player Tron-style game over a port connection
- Swarm Pathfinding: Used C++ and JS to create a visual display of a swarm pathfinding algorithm
- Credit Suisse: Used C# and DevExpress to create an application for maintaining employee information
- Mario: Used C++ and SDL library to create a side-scrolling video game

ACTIVITIES

- Member of Campus Technology Department — Notre Dame Student Government
- CORE Member, Marching Band, Concert Band, Varsity Band, Clarinet Choir — Band of the Fighting Irish
- Study Abroad — London, England
- FUEL, Sophomore Class Council, Academic Affairs Dept. — Notre Dame Student Government