Zach Murphy

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OBJECTIVE

I have a strong interest in mathematics, analytics, coding and scripting. I would like to pursue a position where I can focus more on software development, data analytics, and/or machine learning methodology.

WORK EXPERIENCE

Micron Technology,

- DRAM Product Engineer - ATE DFT — Dec 2017 – Present
  - Assist in the development of new Micron Compute DRAM designs with a focus on component level speed testing.
  - Management and interpretation of large volumes of production data.
  - Automation of data collection on a daily and weekly basis.
  - Reporting of data and design health to PE and Manufacturing teams as the speed test SME.
  - Development and maintenance of data collection tools.
  - Managing priorities for Manufacturing and PE teams for speed testing.
  - Continual improvement of test process to improve yield and quality.
  - Evaluation and improvement of NPI methodology to enable quicker product qualification.
  - Provide department wide new hire/intern training for Micron's Compute DRAM speed test flows on a monthly basis.
- DRAM Product Engineer - Module DFT — Jun 2016 – Dec 2017
  - Responsibilities similar to ATE DFT position with exposure to module level testing.

Intel Corporation,

- Datacenter Group Intern — Jul 2015 – Dec 2015
  - Automation of large scale BIOS testing and validation systems.
  - BIOS debugging.
- High End Desktop Marketing Intern — Apr 2014 – Sep 2014
  - Prepared demonstrations for Intel's HEDT CPU line
  - Coordinated with customers to launch Intel's Haswell-E processor with other newly developing technologies like DDR4.

TOOLS

- Proficient with:
  - Microsoft Office Suite
  - Python, C/C++, UNIX/Linux, Bash
  - SVN, Git
  - Bitbucket, JIRA, Confluence

EDUCATION

Oregon State University,

- B.S in Computer Engineering — Aug 2011 – Jun 2016

CERTIFICATIONS

- **Machine Learning**
  - Online course by Stanford University offered through Coursera. This course is an introduction to machine learning and covers many of the most popular machine learning models.
- **TensorFlow in Practice**
  - Online course by deeplearning.ai offered through Coursera. This course is an introduction to using TensorFlow to create sophisticated machine learning models utilizing many types of neural network layers.