PURDUE PETE

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OBJECTIVE
Seeking an internship in electrical engineering with Samtec, Inc.

EDUCATION
Bachelor of Science, Electrical Engineering Technology (May 20xx)   GPA:3.37/4.00
Purdue University, College of Technology at New Albany, IN

COMPUTER SKILLS & PROGRAMMING LANGUAGES
C/C++, Verilog/System Verilog, Linux, Command Line, Motorola 68K Assembly, Matlab Veritex, Ladder Logic, XML, Perl, Microsoft Office Programs, Clear Case, Orcad Pspice Schematic, Alterra Max Plus Software

ACADEMIC PROJECTS
Design of a 4 Bit Processor
- Designed and implemented a 4 bit processor using Alterra Max Plus Schematic design environment
- Included a processor with an ALU which could do arithmetic as well as logical operations
- Implemented a Von Neumman architecture where program and data memory were in the same space

Multi-Objective Optimization using Genetic Algorithms
- Implemented two genetic/evolutionary algorithms to simultaneously optimize multiple functions
- Designed the initial "population" of solutions which were randomly chosen and evaluated based on their corresponding values in the objective functions
- Applied selection scheme to determine "parents", performed crossover, created a new population
- Repeated this process for a number of "generations" until the optimal solutions dominated the population

EXPERIENCE
Freescale Semiconductor   Austin, TX
Engineering Rotation Program   May 20XX-Augusr 20XX
- Analyzed statistics of probe and final test wafer fallout with a focus on yield enhancement. Correlated this data to fab class probe parameters for process improvement
- Analyzed PMP architecture to develop and implement an adaptive clock algorithm in order to ensure skipfree media playback while providing minimal power consumption.
- Facilitated bimonthly meetings to ensure efficiency and to create an equal learning forum for all members

EXTRA-CURRICULAR ACTIVITIES
President IEEE Student Chapter   September 20XX-Present
- Organized speaker's bureau for chapter meetings

Organizational Vice President IEEE Student Chapter   September 20XX – August 20XX
- Established student chapter at Indiana University Southeast as member of organizational team
- Presided over meetings in absence of president

American Collegiate Minute Men   September 20XX – Present
- Coordinate events

Student Leadership Program   January 20XX-May 20XX
Contributor to Make Magazine

REFERENCES
Available on request