

Miles Histan

PERSONAL DATA

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WORK EXPERIENCE

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| <i>Current</i>
JUNE 2013 | Intern at WASHINGTON STATE UNIVERSITY, Vancouver, Washington
<i>Bonneville Power Administration PMU Research and Data Mining</i>
Contributed to the design of a bitmap index to store and accelerate Phasor Measurement Unit data. Tested real-time data to discover event signatures based on PMU attribute correlation and data patterns. |
| 1997-2013 | Founder at HISTAND GRAPHIC DESIGN, Portland, Oregon
Owner and operator of the graphic design company specializing in branding, illustration, and printmaking for various local businesses including Horst and Daughter, Inc., Happy Tails, Inc., and The Press Club. |

EDUCATION

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| JUNE 2014 | B.S. Candidate in Electrical Engineering, Portland State University , Oregon
Concentration: Power Sector
Capstone: "Simultaneous Energy Harvesting and Illumination for Runners"
Advisor: Prof. Christof TEUSCHER |
| 1997-2103 | B.A., Colorado State University , Colorado
Concentration: Graphic Design |

PROJECTS

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| <i>Current</i>
DEC. 2013 | PORTLAND STATE UNIVERSITY CAPSTONE PROGRAM
<i>Simultaneous Energy Harvesting and Illumination System for Runners</i>
Designing a piezoelectronic energy concept for athletic wear. Utilizing super-capacitors to drive LEDs embedded in the clothing.
Advisor: Prof. Christof TEUSCHER |
| JAN. 2014
JAN. 2013 | PORTLAND STATE UNIVERSITY INNOVATION PROGRAM
<i>Touch-sensitive Bike Lights</i>
Designed and installed a touch-sensitive LED system for a bicycle. Used controller and Darlington transistor pair concept to realize the system.
Advisor: Frank GOOVAERTS |
| DEC. 2013
SEPT. 2013 | PORTLAND STATE UNIVERSITY PRACTICUM PROJECT
<i>Out of Beer Level Device</i>
Lead a group in the design and production of a beer level device using an ATMega 328 Processor.
Teaching Asst.: Andrew GREENBERG |

MENTORSHIPS

FEB-MAY 2014	Mentor for the HIGH SCHOOL INNOVATION CHALLENGE <i>Portland State University and Portland Youth Builders Collaboration</i> Mentoring a group of high school students to research and develop a concept to help elderly living spaces.
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SOFTWARE

Basic Knowledge: POWERWORLD, PYTHON, MATLAB, R-PROJECT, ASPEN
Intermediate Knowledge: C++, ARM, Excel, Word, PowerPoint, Sharelatex, LTSPICE

INTERESTS AND ACTIVITIES

Home Repair, Bicycling, Hiking, Cartooning, German Language

REFERENCES

Luis PEREZ	LGP2@PDX.EDU
Electrical Engineering Adjunct Professor	
Dr. Donald DUNCAN	DDUNCAN@PDX.EDU
Electrical Engineering Professor	