Bradon Kanyid

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Objective

Obtain an Embedded Systems internship in the Computer Engineering field.

Education

- **B.S. Computer Engineering**   **Current GPA: 3.82**
  Portland State University   *Graduation June 2013*

Core Technical Skills

Languages: C, C++, Assembly (ARM, x86, z80, PIC, 68k), Ladder Logic, Bash, Python, Verilog, LATEX, SQL, Java (rusty), Clojure (learning)

Software: Platform Agnostic (Linux/Windows/Mac/BSD), Embedded GNU Tools (GCC, GDB, Redboot), Visual Studio for .NET, Rockwell RSLogix 5000/500 and FactoryTalk Studio, Automation OPC

Hardware: SMD Soldering, PCB Layout, Digital Design, FPGAs, Allen-Bradley PLC/PanelView/VFD Development

Experience

- **Automation Engineer**   **Silver Bay Seafoods, LLC.**
  Summers 2009 – 2012   *Craig, AK*

  – Wrote ladder logic for automating plant's sensors and actuators, such as conveyor belts, hydraulic rams, joysticks, and heat-sealers. Developed touchscreen Human Machine Interfaces and SCADA for monitoring and controlling the automation systems, data-collection middleware between automation systems and business software using .NET and SQL. Developed internal company website for remote observation and statistics in ASP.net.

- **Tech Support Representative & Internal Technician**   **POS-X Inc.**
  2007 – 2009   *Bellingham, WA*

  – Remote support for POS-X products, managing trouble tickets, e-mail, phone support, hardware repairs, and mass computer assembly. Developed network-based automated burn-in and imaging system for new computers using PXElinux, BartPE, and Norton Ghost.

- **Embedded Programming Intern**   **Pacific Northwest National Laboratories**
  Summers 1999 – 2001   *Richland, WA*

  – Developed data-logging temperature sensor for an array of mass spectrometers. Built using a combination of a custom PIC-based system and print server to handle translation of RS232-Ethernet traffic. Wrote device's firmware in PIC assembly, and desktop application in Visual Basic 6 to data-log and graph historical data and trends.

Honors Societies & Volunteering

- **Eta Kappa Nu**   **http://web.cecs.pdx.edu/ eta/**
  IEEE Honors Society. Limited to top 25% of Department.

- **IEEE Student Store**   **http://ieee.pdx.edu/**
  Volunteering includes 4 hours per week of desk duties, as well as occasional weekend store resupply.

- **Computer Action Team (CAT)**   **http://cat.pdx.edu/thecat.html**
  The CAT is a voluntary IT program for Portland State University's School of Engineering. Volunteer 4 hours weekly at the CAT front desk, helping students with computer and networking issues, as well as handling trouble tickets and maintaining student-related computer services. Test and develop new systems and services used by students and fellow CAT members.

- **International Aerial Robotic Competition**   **http://devel.avt.cecs.pdx.edu/projects/iarc**

    Participated in developing an autonomous quadcopter (4-rotor helicopter). Contributed to integrating various sensors to the quadcopter, specifically an infrared range finder for flight height information. Wrote embedded software for the LPCxpresso board that powers the flight computer. Developed documentation for other parts of the low and high-level systems.

References

- **Kevin Barry**   **Plant Manager, Silver Bay Seafoods**

    Phone: (xxx)xxx-xxxx