Bradon Kanyid

11815 SW 3rd St. • Beaverton, OR 97005 • (360) 820-5112
bradon@kanyid.org • www.kanyid.org •

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

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Experience

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

  - Silver Bay Seafoods is an Alaskan Fresh-Frozen fish processor. Wrote ladder logic for automating the plant's sensors and actuators, such as conveyor belts, hydraulic/pneumatic rams, joysticks, and heat-sealers. Developed touchscreen Human Machine Interfaces and SCADA for monitoring and controlling the automation systems, as well as data-collection middleware between the automation systems and business software using .NET and SQL.

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

  - POS-X develops Point-of-Sale equipment. Remote support for POS-X products, managing trouble tickets, e-mail, phone support, hardware repairs, and mass computer assembly. I developed a network-based automated burn-in and imaging system for new computers using PXElinux, BartPE, and Norton Ghost.

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

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

Honors Societies & Volunteering

- **Eta Kappa Nu**   http://web.cecs.pdx.edu/ eta/
  IEEE Honors Society. Required to be in top 1/4 of class.

- **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 that students and fellow CAT members use.

- **International Aerial Robotic Competition**   **http://devel.avt.cecs.pdx.edu/projects/iarc**
  Participated in developing an autonomous quadcopter (4-rotor helicopter). I have contributed to integrating various sensors to the quadcopter, specifically an infrared range finder for flight height information. 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