

from the desk of

# DREW CRAWFORD

address  
PO BOX 7001  
LONGVIEW, TX 75602

tel 405-471-4745  
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## Professional Objective

Summer employment to increase experience writing great code. Available May 11-August 14, 2009

## Education

- Enrolled at Letourneau University. Senior year status on April 30, 2009. Cum. GPA: 3.90
- Completed Senior Year of High School at Edmond North. Earned 33 college credit hours from AP exam scores. GPA: 3.85.

## Experience

### **Founder, Experiment House LLC** Longview, TX. August 2008-present

Invented, designed, and developed bitloot, a community-funding website for open source projects ([www.bitloot.com](http://www.bitloot.com)). Wrote over 70% of Python/AppEngine code and 90% of Java/GWT code. Responsible for scheduling and managing team of developers. Developed automated unit testing system for AppEngine. Invented, designed, and developed sq2, a social news site for smart people (free invite: <http://1.414214.com/login.html?m=resume>). Wrote over 90% of Python/AppEngine code. Combined codebase in excess of 10k lines in 8 months.

### **iPhone Developer (self)** Longview, TX. August 2008

Wrote the GeoFinder and Timely iPhone applications in one week. Revenues in excess of \$1500.

### **Software Engineer Co-Op, Advanced Micro Devices (AMD)** Austin, TX May-August 2008

Developed and wrote software used to test millions of AMD's x86 microprocessors per week. Responsible for identifying, planning, and fixing bugs in AMD's test software, as well as cost analysis and design/implementation of feature requests. Discovered at least one bug on own time that led to an additional, international emergency rollout. Experience in writing and maintaining in excess of half a million lines of mission-critical high-reliability software working with a large team. Helped document and transition product to an international development/support team. Experience with the components and common failures of microprocessors, and analyzed production data to diagnose and troubleshoot software/hardware failures. Suggested and implemented cost and test-time reduction techniques that enabled AMD to ship more microprocessors.

### **IS Logistics Intern.** Summer of 2006; Summer of 2007 - March 2008

Deployed 300 laptops to Sonic employees worldwide, including imaging, diagnostics, transfer of hundreds of user profiles, and custom software development to facilitate deployment. Created and supported software applications distributed to hundreds of computers. Created and modified software for developing and testing wireless coverage and generating a wireless coverage map, including security testing. Engineered architecture and created demo software for future inventory-tracking project. Developed and maintained a complete end-to-end purchasing and inventory tracking solution used to track purchases supporting all three of Sonic's companies as well as a plurality of its 4000+ retail locations. Responsible for gathering requirements, design, implementation, and testing. Software is over 2000 lines of code and

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contains over 80 classes, performing purchases valued in the millions of dollars for Sonic each year. Implements an advanced AI system capable of estimating shipping and tax costs for individual items in large orders, leveraging Sonic's size and buying power to reduce cost to the company. Uses a distributed storage system to track inventory and bills departments accurately even for items with fluctuating prices purchased over months or years.

## **IT Technician, Dominion Leasing.** Summer of 2005.

Facilitated company's move from Edmond, OK to Guthrie, OK and catalogued inventory of IT equipment. Server troubleshooting, implemented new security policies, server software development, set-up office workstations for company employees, retrofitted computers for donation to Africa project, Prepared software/hardware proposals for upgrades and maintenance, developed IT budget.

## **Owner, Local computer repair business.** 2003-2007.

Facilitated company's move from Edmond, OK to Guthrie, OK and catalogued inventory of IT equipment. Server troubleshooting, implemented new security policies, server software development, set-up office workstations for company employees, retrofitted computers for donation to Africa project, Prepared software/hardware proposals for upgrades and maintenance, developed IT budget.

## **Head Sound Engineer, Faith Bible Church.** 2003-2007.

Responsible for maintaining, operating, and caring for sound equipment, including the recording of all activities. Schedule includes three regular services per week, in addition to special events (weddings, funerals, conferences, etc.) Also responsible for remastering of all accompaniment tracks.

## Skills

<b>Very proficient in:</b>	C#, Python, Java, C
<b>Occasionally I use:</b>	ObjC, Haskell, Scheme, Prolog
<b>I can read:</b>	C++, Ruby, LISP, Perl

## Academic Honors

- LeTourneau University Heritage Scholarship Recipient. A \$70,840 scholarship providing full tuition at LeTourneau University.
- Led the Freshman Team of Letourneau University's 2007 ACM South Central USA Programming Contest to an outstanding performance, placing 29th out of 60 throughout the region among college students of all ages, and significantly outperforming Letourneau's B-Team.
- Selected as a Robert C. Byrd Congressional Scholarship Recipient, a \$1500 per annum scholarship.

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- Selected for Oklahoma's Academic All-State 2007, awarded to the top 100 high school seniors in Oklahoma.
- Honor Society, Academic Letter, AP Scholar, and Bar Awards from Edmond North High School
- National Merit Commended Student
- 3-Year Member of the All-State OMEA Honor Choir
- Automatic Qualifier for Oklahoma Academic Scholars Program, sponsored by the Oklahoma Regents of Higher Education
- ACT: 34, SAT: 1480