

# Walter Lewis Gordy

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**Date of Birth:** September 3<sup>rd</sup>, 1981  
**Nationality:** US Citizen

## Education

**2007 - Current** **New Mexico Institute of Mining and Technology**  
Bachelors of Science in Electrical Engineering  
Expected Graduation: May 2011  
GPA: 3.1

## Employment

**2005 – 2007** **Electrified Data Technologies, Inc**  
Software Engineer  
Albuquerque, NM

**2005** **Albuquerque Technical-Vocational Institute**  
Web Developer / Programmer  
Albuquerque, NM

**2004 - 2005** **ConnectPress, Ltd.**  
Web Developer / Systems Administrator  
Santa Fe, NM

## Technical Experience

- Knowledge and experience using C, C++, C#, Java, Servlets, Java Server Pages, Java 3D, OpenGL, Visual Basic, PHP
- Developed firmware for ultra low power satellite and data acquisition systems
- Developed server applications which analyzed data relayed via satellite
- Assembled, tested and maintained hardware including surface mount soldering
- Knowledge and experience using electronics test equipment, (multimeters, oscilloscopes, etc.) for use in design and troubleshooting of electronic devices and systems
- Designed and maintained relational databases using Postgres and custom database servers
- Designed graphics and interactive user-interfaces for web and client based applications

## Personal Experience

### **Unmanned Aerial Vehicle Research**

- Design a navigation system for use on small lightweight aircraft to navigate through all stages of flight including takeoff and in-flight path re-corrections
- Simulation software designed to account for the effects of higher wind speeds and GPS drift on the navigation system developed using java
- Current progress includes a working model with a flight time of 15 minutes to an altitude of 1500 with human interaction during the landing stage

### **New Mexico Tech RC Club and Robotics Club**

- Designed small stand alone self navigating robot that is small enough to fit on a quarter
- Experienced RC Helicopter Pilot
- Club Treasurer 2007 – 2008