# Henry Holbrook Hyde III

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| **Objective** | To use my engineering skills to become involved with and contribute directly to the clean technology industry, an industry I feel very passionately about, ideally with an emphasis in renewable energy, to pursue an advanced degree in sustainable business management or the environmental sciences, and possibly to pursue my P.E.. |
| **Work Experience** | ***August 2007 – Present***<br>▪ Self-employed **software engineering consultant**.  Current project is technical development for an internet startup (http://www.code.com).  Past projects include standards implementation for the National Institute of Standards and Technology (NIST) and software development for Worldcell.<br>▪ **Founder** and **lead developer** of **aLocalNotion, LLC**, an online social networking business.  Founded with two colleagues and based out of Boston, MA.<br><br>***April 2005 – August 2007***<br>▪ **Senior software** and **product engineer** for **Mobile-Mind/Worldcell** in Boston, MA.  A small company (~10 employees) specializing in smartcards, SIM cards, and GSM mobile communications.  Successfully managed several smartcard and SIM-related software projects (including one of the first government-approved Personal Identity Verification cards)  working directly with clients such as NIST, StepNexus, the US State Department, ExBiblio, and the International Standards Organization (ISO).<br><br>***February 2004 – April 2005***<br>▪ **Consulting Analyst** for **Accenture** at Connecticut's Department of Revenue Services (a CMMI Level 4 project).  Senior member of the post-production support (PSS) team, deployed to quickly and effectively resolve critical database and software issues in live phases by working with both the customer and the software.<br><br>***Summer Internships and Research Projects***<br>▪ **Software engineer** for the Commercial Power Systems group at **United Technologies Fuel Cells**.  Developed Commercial Fuel Cell (PC25) trending and control software to allow the operator to better track and understand the fuel cell's myriad variables.<br>▪ **New Service Technician** for Connecticut Light and Power, part of **Northeast Utilities**.  Designed new commercial and residential services.<br>▪ **Laboratory Technician** at **Loctite** North American Headquarters (Rocky Hill, CT).  Worked with application engineers to recommend adhesives to companies such as Sony, John Deere, Bissel, Caterpillar, Whirlpool, and White Rogers.<br>▪ *RPI Undergraduate Research Program:* **Center for Subsurface Sensing and Imaging Systems** (supported by the NSF) funded Ground Penetrating Radar (GPR) DSP data modeling and analysis project.  Helped test and develop new software to analyze data collected by non-invasive radar examination of New York State automobile bridge decks.<br>▪ *Independent Study:* worked with high power electronics to build a tool to stabilize the path of the ion beam in the **Rensselaer Plasma Dynamics Lab's** (RPDL) Helicon plasma machine. (http://hibp.ecse.rpi.edu/). |
| **Education** | ***1999 – 2003, Rensselaer Polytechnic Institute (RPI) – Troy, NY***<br>▪ **Dual major** in **Electrical Engineering** and **Computer and Systems Engineering** with a Computer Systems concentration.  RPI Dean's List. |
| **Computer Skills** | ▪ *Application Experience*:  circuit/logic design (pSpice, Xilinx), mathematics (MATLAB, Mathematica, Maple), CAD (Pro Engineer, SolidWorks), other (Rockwell Automation, LabView)<br>▪ *Expert Programming Experience*: C, C++, Perl, CGI, PHP, SQL, PL/SQL, VB, ASP, .NET<br>▪ *Other Programming Experience*: OpenGL, COBOL, Java, assembly<br>▪ *Operating System Experience*:  Unix, Windows, Javacard, MULTOS<br>▪ *Hardware Experience*:  Motorola MC68HC11, smartcards/SIM cards (contact and contactless), GSM and CDMA cellular networks |
| **Other Skills, Interests, and Information** | ▪ Rock-climbing, ice-climbing, mountaineering, road biking, mountain biking, skiing/touring<br>▪ Member of SCCA/CARS Hoen Racing Rally Team<br>▪ Tool Manager of the Rensselaer Student Autoshop (RSAS)<br>▪ House Manager of the New York Sigma Chapter of Phi Kappa Theta at RPI |