

Amy Eskridge - Scientist and Technology Entrepreneur

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Summary

Amy is an interdisciplinary scientist and technology executive with experience ranging from biotechnology to software consulting and quantum gravity research. With a bachelor's from the University of Alabama in Huntsville in Chemistry and Biological Sciences and being a current PhD student in the Material Science program and with previous training in Electrical Engineering and Microelectromechanical Systems on Redstone Arsenal for the AMRDEC Weapons Sciences Directorate, if you name a type of technology, Amy has probably touched it in some way. She is currently running her own research company studying quantum phenomenon and is President and co-founder of The Institute for Exotic Science.

Education

PhD - University of Alabama in Huntsville, 2018

Material Science

PhD - University of Alabama in Huntsville, 2010-2014 (All but dissertation)

Biotechnology and Bioscience Engineering, GPA 3.745

Bachelors - University of Alabama in Huntsville, 2006-2010

Chemistry, Biological Sciences, GPA 3.861

Experience

Co-founder, CEO - HoloChron Engineering, LLC, 2018

HoloChron Engineering is a father / daughter company developing novel technologies leveraging quantum phenomenon.

Co-founder, CEO - Portable Foundations, LLC, Aug 2016 - Dec 2017

Portable Foundations, LLC is a mobile and desktop application development company. Primarily a Xamarin shop, we specialize in iOS and Android development with capabilities in OSX and Windows 10.

Co-founder, CEO - Arkham Storage, LLC, May 2015 - Feb 2017

Arkham Storage, is an anonymized, end-to-end encrypted cloud storage and file transfer platform. Our aim is to bring privacy and security to the average consumer and business in an easy to use format.

Co-founder, CEO - Analytical and Collaborative Solutions, LLC, April 2012 - May 2015

ACoS (now Black Label Data) offered custom software solutions to local biotechnology start-ups. We built and licensed a product called ADAPT which included custom widgets for analysis of genomic data.

PhD Candidate and Student Researcher - EGEN, LLC, May 2010 - Dec 2014

I studied Galectin-1, a protein reported to have neuroregenerative and anti-inflammatory properties and how those properties might work together in a co-culture system to enhance neuronal differentiation and reduce reactive astrogliosis.

Steering Committee Member - Partnership for Biotechnology Research, April 2007 - 2011

I was the student representative on the steering committee for this North Alabama non-profit organization. I also led the meetings for the student section of PBR and organized student related workshops and activities.

President - Student Partnership for Biotechnology Research, April 2007 - 2011

Student PBR provides educational, networking and professional development opportunities for students interested in biotechnology. Since this group is not a traditional "club" and is not limited to any particular university or grade level, students are empowered with a professional network that extends far beyond their regular classroom/university setting.

BioTrain Intern - HudsonAlpha Institute for Biotechnology, Jan 2009 - August 2009

I worked to help establish the "Sample to Sequence" project, a new program that will serve as a tool to teach students molecular biology techniques through bacterial population studies.

Summer Intern - ThermoFisher Scientific (Legacy Open BioSystems), May 2008- August 2008

I worked in the production lab at Open Biosystems doing a variety of tasks including media preparation and plating, bacterial inoculations, buffer preparation and shipping of products. My time at Open Biosystems was a unique opportunity to learn about high throughput biotechnology production and operations.

Student Summer Intern - University of Alabama in Huntsville Biological Sciences Department, May 2007 - August 2007

In the lab of Dr. Maria Davis, I cloned fungal plasmids and verified their expression and secretion of fungal proteins.

Engineering Summer Apprentice - U. S. Army Aviation and Missile Research, Development, and Engineering Center (AMRDEC), May 2006 - August 2006

I worked on measuring the random walk of piezoelectric MEMS (microelectromechanical systems) gyroscopes.

Engineering Summer Apprentice - U. S. Army Aviation and Missile Research, Development, and Engineering Center (AMRDEC), May 2005 - August 2005

I worked on research and development efforts for piezoelectric cantilevers designed to be very fast switches. My research included polarizing the piezoelectric domains of the cantilevers to ensure they grains all mechanically deflected in the same direction in response to electrical stimulation.