

NATHAN JEFFREY BODENSCHATZ

PERSÖNLICHE DATEN

Adresse: 321 Joselin Avenue
Cincinnati, OH 45220 USA
Email: bodensnj@mail.uc.edu
Telefonnummer: 001-330-546-2402
Geburtsdatum: 7 Juli 1990
Geburtsort: North Canton, Ohio, USA
Staatsangehörigkeit: amerikanisch
Familienstand: ledig



AUSBILDUNG

Universität: University of Cincinnati
Cincinnati, Ohio USA
Hauptfach: Luft- und Raumfahrttechnik
Nebenfach: Deutsch
Abschluss: Bachelors of Science; voraussichtlich Mai 2014
Durchschnittsnote: 3,48 von 4,0
Oberschule: Hoover High School
North Canton, Ohio USA
Abschluss: Mai 2009
Durchschnittsnote: 4,24 von 4,0

ARBEITSERFAHRUNG

Seit Juni 2012
Modern Technology Solutions, Inc., Beavercreek, Ohio, USA
Verbesserung der GPS Genauigkeit durch Inertial Measurement Unit Integration mit
September 2010 bis Dezember 2011
University of Cincinnati, Cincinnati, Ohio, USA
Assistent für Universität sanfänger im naturwissenschaftlichen Bereich sowie ehrenamtliche Tätigkeiten
März 2011 bis September 2011
General Electric Aviation, Evendale, Ohio, USA
Bereich: Entwicklungsfertigungsarbeiten
Rechnergestützte Modellerstellung von Flugzeugmotoren komponenten; z. B.: Rotorkreis und Rotorschauflern
Planung von Flugzeugmotorteilen Reparaturen; z. B.: Rotorschauflern und Lüfterschauflern
Planung und Bestellung neuer ergonomischer Handwerkszeuge

WISSENSCHAFTLICHE FORSCHUNG

Seit September 2010
SIERRA (Surveillance for Intelligent Emergency Response Robot Aircraft) Projekt
Systemantwort für ein unbemanntes Luftfahrzeug zur analyse von Wald- und Flaechenbraenden
Wissen von System Ingenieurwesen, Unbemanntes Luftfahrzeug, Wald- und Flaechenbraende Brand
Dayton-Cincinnati Aerospace Sciences Symposium 2012 Vorstellung von unbemannten Luftfahrzeug Reglement
Webseite: <http://most-aero.uc.edu/projects/sierra-project>
September 2010 bis June 2011
TENDEK (Tensegrity-based Deployable Kite) Projekt
Tensegritäts Formveränderung Entwicklung; Ein Mann start- und flugsteuerung!
Kenntnisse von Tensegritäts Systemen, Flugdynamik, wissenschaftlicher Prozess, und Veränderungsprozess

EDV KENNTNISSE

Windows, Mac OS, Microsoft Office, MATLAB, AutoCAD, Autodesk Inventor, Unigraphics, Adobe Photoshop, Simulink

SPRACHKENNTNISSE

Englisch, Muttersprache
Deutsch, gute Kenntnisse – Intensive German for ICP Students

STIPENDIEN UND AUSZEICHNUNGEN

Paul and Carol David Scholarship
Choose Ohio First Scholarship
University Scholarship von University of Cincinnati
Balanced Man Scholarship: Garland Parker Award
Society of Leadership and Success
SMART Grant
Federal Pell Grant
Dean's List in Herbst 2009, Frühling 2010, Herbst 2010, Winter 2012

EHRENAMTLICHE TÄTIGKEITEN

Seit März 2012

Teach For America Alternative Spring Break Trip with Zappos

Planung einer Sommer Ferienfreizeit für unterprivilegierte Schüler in Las Vegas, Nevada

Seit September 2009

Relay For Life – Greek Recruitment Team

Mitgliederwerbung fuer die Studentenverbindung (25% Wachstum erreicht)

Mitarbeit bei diversen Eventtätigkeiten; zum Beispiel: Musik DJ und Fotograf

Seit September 2010

Sigma Phi Epsilon Fraternity – EDGE Program Facilitator

PERSÖNLICHE INTERESSEN

Raketentechnik, Fotografie, Laufen, Führung, Entwicklung, Volleyball, Auto Reparatur, Wandern, Reisen

CINCINNATI, OH, USA den 5. JUNI 2012

(Signature)

A handwritten signature in black ink, consisting of several loops and strokes, positioned above a horizontal line.

NATHAN BODENSCHATZ

321 Joselin Ave.
Cincinnati, OH 45220

bodensnj@mail.uc.edu
(330) 546-2402

EDUCATION

UNIVERSITY OF CINCINNATI - CINCINNATI, OH

Bachelor of Science in Aerospace Engineering

GPA: 3.53/4.00

Expected May 2014

PROFESSIONAL

EXPERIENCE

MODERN TECHNOLOGY SOLUTIONS, INC. – BEAVERCREAK, OH

Intelligence, Space and Information Solutions Intern

June 2012 – Present

- Programmed a code to implement Instrumentation Measurement Unit (IMU) device used to assist with GPS accuracy in satellites; combined IMU program with satellite error measurement program

GE AVIATION – EVENDALE, OH

Engineering Co-op

Mar. 2011 – Sept. 2011

Process Engineer

- Designed and planned engine part rework for development testing
- Modeled advanced 3-D drawings in Unigraphics; worked on complex engine parts (fan blades, rotor blades, etc.)
- Created product catalog for manufacturing shop and new employees; train new co-op employees

Production Control

- Communicated with customers to identify needs/concerns; worked to meet deadlines and uphold relationships

ACADEMIC RESEARCH UNIVERSITY OF CINCINNATI – CINCINNATI, OH

SIERRA (Surveillance for Intelligent Emergency Response Robot Aircraft) Project

Sept. 2010 – June 2012

- Work with a team to develop a wildfire response aircraft system to protect those putting their lives on the line
- Learned systems engineering approach, UAV systems, wildfire response tactics
- Participated in 2012 Dayton-Cincinnati Aerospace Sciences Symposium; presented on UAV certification process
- Website: <http://most-aero.uc.edu/projects/sierra-project>

TENDEK (Tensegrity-based Deployable Kite) Project

Sept. 2010 – June 2011

- Developed a tensegrity morphing kite to be launched by only one person from concept to product
- Learned tensegrity systems, dynamics of flight, scientific process application, learned development process

LEADERSHIP

UNIVERSITY OF CINCINNATI – CINCINNATI, OH

Sigma Phi Epsilon Fraternity - Chaplain

Nov. 2011 – Present

- Serve on the executive board of the fraternity, work with a team to establish yearly and future goals
- Oversee chapter direction and operations; uphold chapter values in operations and the community

Sigma Phi Epsilon Fraternity EDGE Leadership Development Program

Jan. 2010 – Present

- Facilitator; new member leadership development program; lead session on rituals, character, and values

Sigma Phi Epsilon Fraternity EDGE Leadership Development Program

July 2010 – Present

- Focused on personal leadership development and leading through personal and group values

Relay for Life Committee - Greek Recruitment Chair

Sept. 2009 – June 2012

- Encourage and facilitate Greek Life participation (increased 35%); assist with event planning and operations

Sigma Phi Epsilon Fraternity Carlson Leadership Academy

Feb. 2012

- Worked with other college chapters and facilitators to learn and build best practices of executive positions

LeaderShape Institute

Dec. 2011

- Focused on leadership development process related to passions and values and making a positive change

First Year Experience Peer Leader

Sept. 2010 – Dec. 2011

- Instruct and assist college freshmen with academics, involvement, and acclimation to college life

HONORS, AWARDS, AND SERVICE

Dean's List: Fall 2009, Spring 2010, Fall 2010, Winter 2012, Spring 2012

Teach for America Alternative Spring Break:

- Innovate in Las Vegas community school system to bridge achievement gap
- Taught in eighth grade science classroom; Experienced first-hand the achievement gap difficulties

University of Cincinnati Rocket Club: Building kit rocket for competition participation

ROAR Campus Tour Guide: Show and tell prospective students why the University of Cincinnati is awesome!

Academic Scholarships: University Scholarship, David Scholarship, and Choose Ohio First Scholarship Program