

# DAVID HEIN

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## OBJECTIVE

Seeking a full-time position that employs my experience in software engineering and development operations to efficiently design and deploy software solutions that are scalable, socially responsible, and user-friendly in agile markets.

## EDUCATION

**Purdue University**, West Lafayette, IN – *Bachelor of Science in Engineering (BSE)* December 2016  
Multidisciplinary Engineering: Software Engineering Management Major GPA: 3.00/4.00  
Minor in Organizational Leadership & Supervision, Certificate in Entrepreneurship & Innovation

## SKILLS

**Software Development** C, C++, C#, Qt, Python, SVN, Git, Continuous Integration, Testing, DevOps, Bash, \*nix  
**Web Development** JavaScript, HTML, CSS, PHP, Meteor, React.js, MongoDB, MySQL, UX, Human Factors Engineering  
**Computer Engineering** Microprocessors, Bluetooth, TCP/IP, Test Engineering, Altium Designer, Data Structures  
**Engineering Management** Project Management, Servant Leadership, Product R&D, Venture Management

## EXPERIENCE

**Attero Tech, LLC** – Fort Wayne, IN May 2012 - August 2016  
*Software Engineering Intern*

- Developed desktop control software and Android Bluetooth control app for professional and residential A/V products using C/C++ and Qt Designer
- Decreased production test time for entire product line and OEM products by 75% through design and development of test fixtures and automated audio analysis for final unit and off-site PCB manufacturer tests
- Consulting with product manager on solutions to meet Dante AV Network product requirements and roadmap
- Conducted research and development on open-source content delivery solutions for residential audio systems
- Developed firmware for STM32-based design service customer projects along with test, build, and install scripts
- Expedited hardware development and production time with efficient supplier management through PHP/MySQL based web application resulting in 300% increase in database performance

**Jimmy John's Enterprises** – Lafayette, IN August 2010 - Present  
*Person-in-Charge*

- Employed management and leadership techniques in varying team environments consisting of over 200 employees at 5 area stores in the absence of a store manager
- Established strong foundation in operations management, supervision, training, brand management, and representation in the Lafayette community
- Executed systems and procedures with 100% integrity to set stores up for success by effectively using shift financial data to direct sales projections, waste, profits, staffing needs, and food preparation

## ACTIVITIES

**Alpha Phi Omega National Service Fraternity** – *VP of Finance, Webmaster, Leadership Development Chair, National Conference Chair, Charity and Fundraising Chair* August 2014 - Present  
**Engineering Projects in Community Service (EPICS)** – *Project Manager, Software Archivist* January 2012- Present  
**Electrical and Computer Engineering (ECE) Student Society** – *Member* January 2013 – December 2014

## HONORS

Alpha Phi Omega – Alpha Gamma Chapter Service Award December 2015  
Purdue University BoilerMake Hack-a-thon – 2<sup>nd</sup> Place Winner March 2014  
Custom Electronic Design & Installation Association (CEDIA) Memorial Scholarship August 2012