Shaun VanWeelden

Shaun314@iastate.edu | 641-780-6243

120A University Vlg. Ames, IA 50010

Strong and Diverse Educational Background

Iowa State University – Fall 2011 - May 2016
B.S. Software Engineering - GPA: 3.24
Pella High School, 2007-2011 - Pella, Iowa

- Studied abroad in Madrid, Spain in '10 and '11 for 6 weeks total
- Studied abroad in Valencia, Spain with ISU in 2012 for 6 weeks
- Very experienced and comfortable with traveling internationally

Unique Work Experiences

Boeing IT Intern (Seattle)   '14
- Designed automated GUI testing in Java
- Led to 250 hours saved/year + less bugs
- Increased local testing code coverage 40%

MathWorks Graphics Engr. Intern   '13
- Worked at the MathWorks headquarters in Natick, MA for one semester
- Designed test suites to analyze customer and internal code primarily with graphics
- Provided usability and functional recommendations for MATLAB updates

Union Pacific Sys. Engineering Intern   '13
- Developed system to remotely monitor the status of RFID locks on shipping containers
- Wrote FTP and HTTP Server in Python to handle data visualization and storage

Thinix Part-Time Developer Intern   '13
- Created HTML/CSS website improvements
- Gained exposure to ASP.net, MVC, C#
- Utilized TFS, Agile Dev. - Scrum daily

Oak Ridge National Laboratory   '12
- Designed image processing GUI's to characterize soot particle images
- Developed full suite of tools to improve usability inside the MATLAB environment

Undergraduate Research   '12, '14
- Designed MATLAB GUI to assist with analysis of photo-voltaic cells for efficiency
- Developed 2d to 3d image projection software for maize root models
- Won technical presentation skills award

Awesome Part-Time Jobs
- MATLAB Tutor 10 hrs/week   '12
- TA for Engr. In Elementary Education   '13
- Outreach for the College of Engr.   '13
- MathWorks Student Ambassador   '13
- TeleRecruiting for ISU CoE   '14
- Destination Iowa State Team Leader   '13
- Sales Rep for Various Brands   '13

Passionate Leadership

Engineering Student Council
President ('14-'15)
- Representing 8,500+ students
- Lead exec to organize college-wide events, meet with college leadership

VP of Outreach ('13-'14)
- Organized two new outreach events
- Impacted 400+ youth by organizing 15+ student orgs to come together

Iowa FIRST LEGO League Chair
- Coordinated 14+ regional events
- Impact over 4,000 kids yearly
- Led 13 member team at weekly meetings and oversaw all operations
- Maintained website and represented Iowa FLL at corporate, local events

Tech Startup Club President
- Founding member, provide vision
- Lead weekly meetings about startup topics, organize topics, provide vision
- Teaching through mock business plan

Engineers' Week Publicity Co-Chair
- Publicizing for College's largest event
- Created $17,000 publicity budget
- Designed, ordered all promo items
- Led weekly sub-committee meetings

Com Sci Club (CSE) Hackathon Chair
- Leading plans for Fall ISU hackathon
- Co-led planning for first ISU hackathon which had over 100 people
- Ordered shirts, food, got sponsors and judges, volunteered throughout

Engr. Career Fair Advert/Events Chair
- One of largest career fairs nationally
- Advertising chair, designed and oversaw promo material, class talks
- Events chair, planned engaging seminars, panels, worked with recruiters directly providing logistics

Entrepreneurial Success

BookDump Co-Founder
www.TheBookDump.com
Started Fall 2013, The BookDump is a textbook pickup/buyback service priding itself on convenience and value
- $16,000 in revenue Spring '14
- I built the ASP.net/C# website from scratch, got 15,000 page views in 1 week
- I successfully pitched our idea and won
- 1st place, Des Moines Pitch and Grow
- "Best New Business Idea" – ISU Spring '14 Business Pitch Competition
- Business plan was state finalist in the Pappajohn Business Plan Competition

Freelance MATLAB Developer
- Over $5,500 in work done since 2013
- Worked with clients around the globe
- Iterated through full dev. lifecycle

BrickIt LEGO Mosaics Founder
www.BrickIt.co
BrickIt is a web app that allows users to take an image and turn it into a LEGO mosaic they can build with full instructions
- Led the 1st place team at StartUp Weekend Des Moines, Fall 2013
- Went from an idea to working app in 48 hours, leading team of 5 others
- Won "Best Overall" and "Audience Choice" at ISU Pitch Competition

ISU Ticket Trader Creator
ISU Facebook group for students to buy and sell athletic and concert tickets
- Over 11,500 people within the group
- 1 of 10 largest FB groups in Iowa
- Selling ads to monetize hard work

Online LEGO-based Businesses
- Sold bulk LEGO pieces and handmade jewelry globally starting Fall 2010
- Enjoyed over $32,000 in sales revenue

A Winning Combination of Skills

MATLAB	Web Dev	Programming	Soft Skills
Image Processing Toolbox	HTML5 / Canvas	Java (Advanced)	Public Speaking
GUI Development	CSS and Bootstrap	C/C++ (Intermediate)	Events Planning
Handle Graphics	ASP.net/C#/MVC	Python (used, rusty now)	Team Leadership
Vectorization/Optimizations	Javascript / jQuery	Git/TFS/Tortoise SVN	Professional Etiquette
Integrated DAQ/Hardware	Firebase/Parse/AWS	IDEs: Visual Studio 2013,	Networking / Sales
Integration with MS Excel	Exposure to Django	Eclipse, PyCharm, Sublime	Volunteerism