

Nicholas Sinclair

I am a recent graduate eager to apply my engineering background and skill set in user research and design in a challenging environment at a dynamic and creative company.

Education

2012 – 2016

Stanford University B.S. Product Design

Stanford Design Program, School of Engineering.

Coursework covered mechanical engineering fundamentals, design and engineering in business, and entrepreneurship; projects applied engineering and consumer research to best meet product/service user needs. Other work included ethnographic research, product strategy, design principles, and implementation. Examples of project courses:

- **Coca-Cola:** Conceived user research and concepts intended to help Coke adapt to shifting consumer perceptions of well-being.
- **Entrepreneurship:** Presented prospective healthcare business to venture capitalists; developed flash-chilling coffee homeware, conducting surveys, prototyping function, and visual mockup.

Experience

Fall 2016

Engineering Intern Ringly

Ringly is a wearable technology startup in NYC that creates beautiful jewelry with activity tracking and notification features. Member of hardware engineering team at twenty-person startup.

- Worked through multiple design–build–test iterations for new product’s charger, from concept stage to tooling release.
- Influenced design and engineering decisions for new product with goal of reducing costs, shortening go-to-market timeline.
- Conducted user research to inform product features, design.
- Supported current production by assessing factory samples, updating SolidWorks models, and creating engineering drawings.
- Sourced local prototypers to meet sales and development needs.

Summer 2015

Product Design Intern WISErg Corporation

Fifty-employee startup. Member of R&D team. Reported to Engineering Manager. Designed modular electronics enclosures in SolidWorks for prototyping. Validated I.o.T. product concept, writing software for Raspberry Pi and various sensors. Owned design research and advocated user-centered approach. Sketched user flows and data diagrams.

- Interim lead of new product development, which leveraged I.o.T. technology to collect food waste data at grocery stores.
- Performed FEA analyses, resolved tolerance stack issues, and engineered auxiliary parts through contact with manufacturers.

Interests

- **Athletics:** US Army National Scholar–Athlete Award Recipient
- **Coffee:** Developed two coffee products; industry follower
- **Spanish:** Proficiency in Spanish; 2014 study abroad in Santiago, Chile
- **Other:** Creative nonfiction writer

Portfolio

- In-depth case studies of my work: nickysinclair.com

Skills

- Rapid prototyping
- Defining design requirements
- Sketching
- Creating and giving presentations

Tools

- SolidWorks
- Adobe Creative Cloud
- Python & MATLAB
- Java
- Sketch
- HTML & CSS
- jQuery & Coffeescript
- Microsoft Office

Contact

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