

Rebuildit

Eli Irvin

Jesse Weisberg

Today

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Introductions

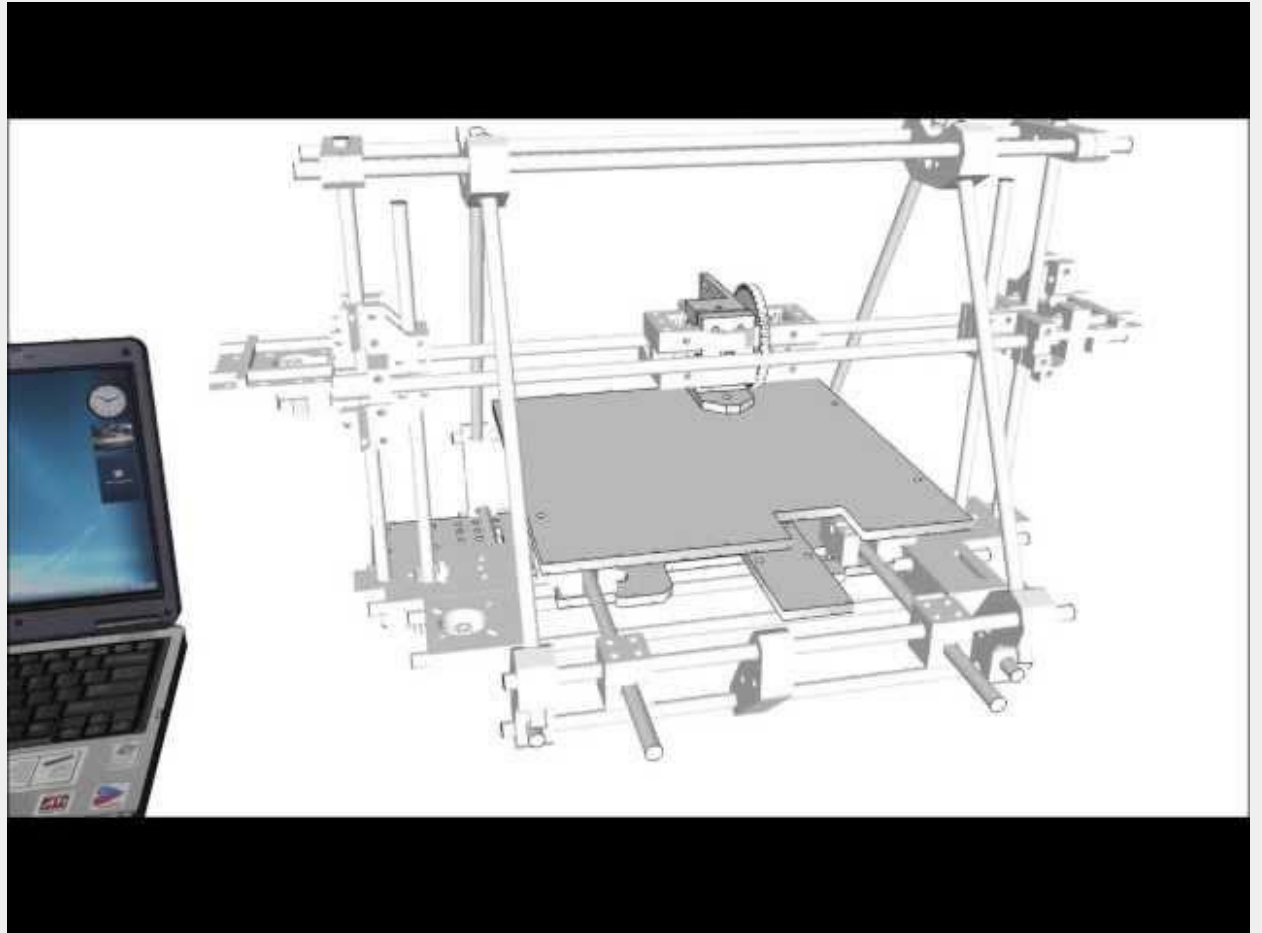
- Eli Burns-Irvin
 - From Illinois
 - Student at SIUE
 - Computer Science
 - Mobile computing
 - App development
- Jesse Weisberg
 - From New York
 - Student at WUSTL
 - Systems Engineering, Economics
 - Intern at Arch Grants



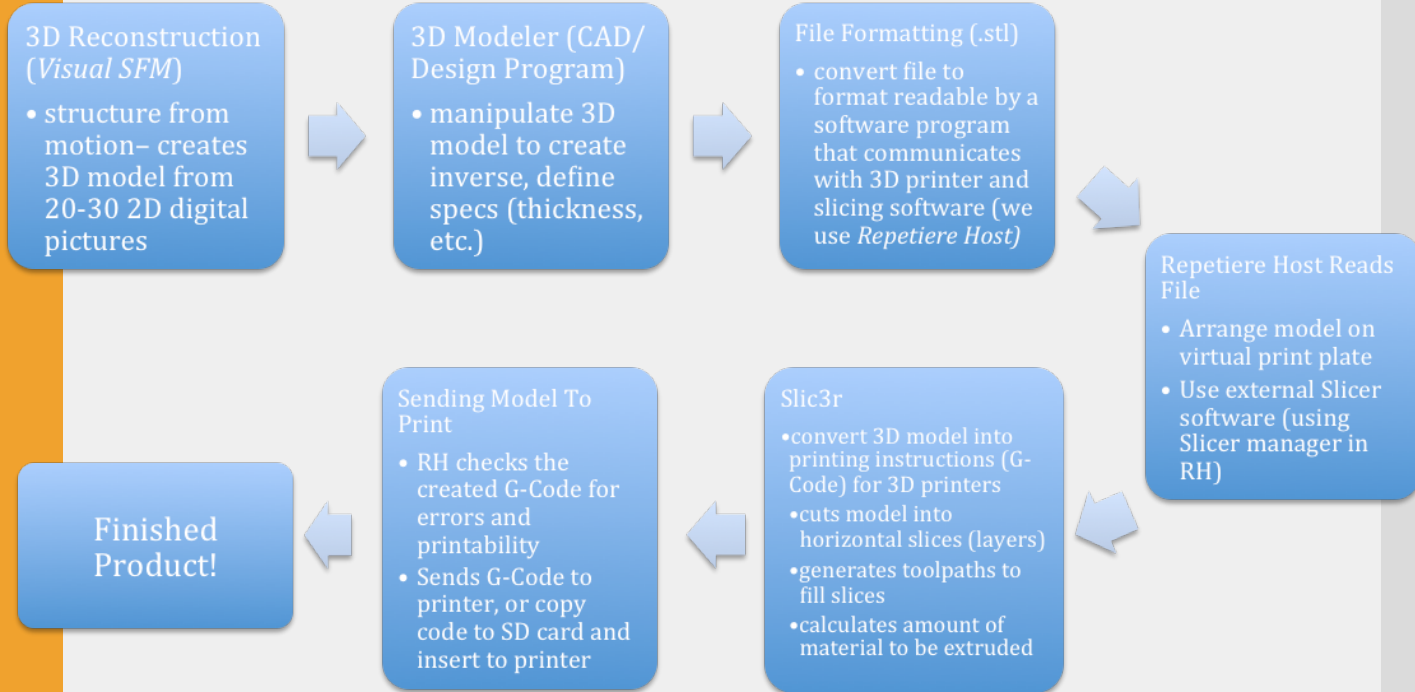
History of the Rebuildit Project

- Started in 2011
 - Business plan pitch to WUSTL
- Originally called Open Design Prosthetics
- In 2012 Electrical and Systems Engineering (ESE) Dept. Sponsored the project
 - Team of 6 ESE engineers
- In 2013 the prototype printer was completed
 - Team of 5
 - Multidisciplinary team
- In 2014 Scanner prototype continues

How the System Works



How the System Works: A Closer Look



Previous Rebuildit Projects (2012 – Present)

Building the printer prototype

- Improvements and reliability

Prosthetic research and design

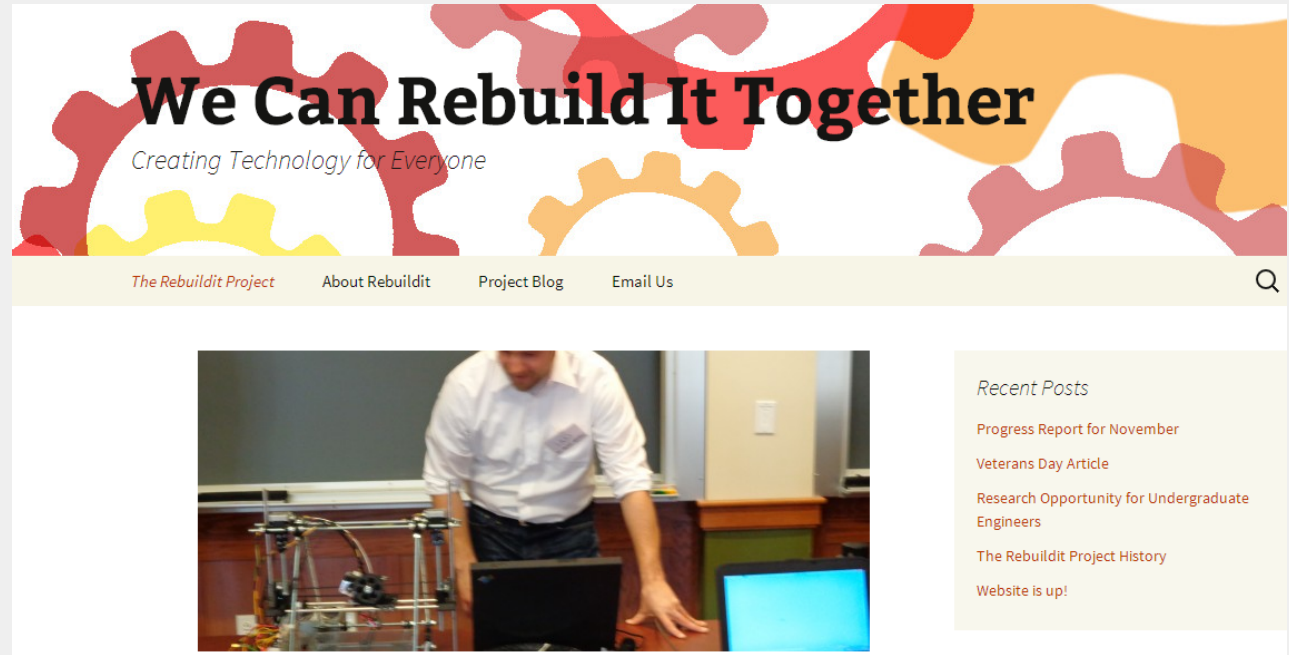
Scanner prototype

- Software engineering

Current Rebuildit Projects

- Website
- Quadcopter
 - We worked with American Society of Mechanical Engineers (ASME) at WUSTL to create and maintain a quadcopter for them
- Phone cases
 - Case for LG G2
- Parts for future printer models
 - Printer V. 2.0

Website



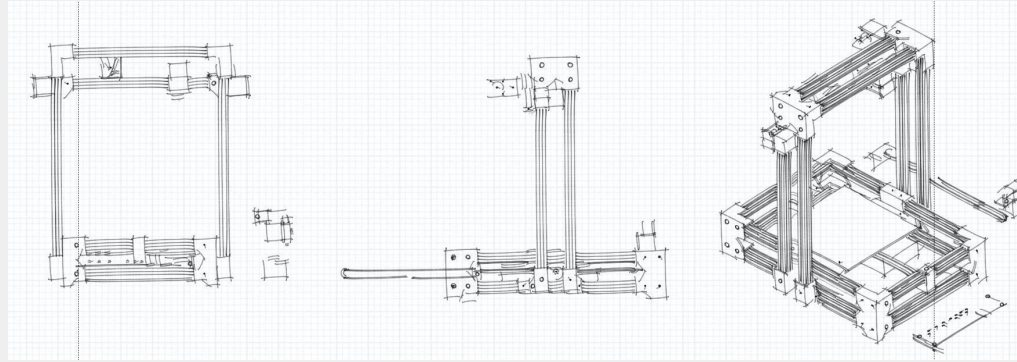
- <http://www.wecanrebuildit.org/>

Quadcopter



Future Projects

- Version 2.0
 - Solar Power
 - Portable and ruggedized



- INCOSE
 - Print structures for robots
 - Assist in design/conceptualization