

CHRIS J GERVANG

WORK EXPERIENCE

2014 to present

Bankroll Bitcoin Miner

Co-Founder, hardware designs engineer, and full-stack developer for the Bankroll Wi-Fi hardware bitcoin miner and iPhone interface.

- Developed schematic design, PCB design, back end services, and firmware support.
- Led fundraising negotiations and managed hardware development with contractor.
- Built two iterations of working prototypes in two months, including programming rapid prototyping mobile applications and building custom hardware.
- Presented early prototypes to Sir Richard Branson.

2014 to present

Clyde Home Automation

CEO and Co-Founder, and full-stack developer

- Grand Prize winning entry at 2014 Cal Tech Hackathon involving over 1200 hackers.
- Programmed back end services, hardware integration layers, and API design & integration.
- Led product pitch development, scoped out future business potential.
- Presented product along side Pebble smart watch & spark.io at Bay Area MakerFaire, a large technology conference.
- Product currently managed as an open-source project.

Summer 2013

Stanford University d.School

Design/software engineering intern - Project Compass

- With a team of three students, applied d.School design methodologies, including customer user studies, to build the product students wanted.
- Designed and built web applications to help students navigate their academic experience at Stanford University.
- Built the Front-End JavaScript D3 visualization feature called "Path" enabling students to create a dynamic timeline of their academic goals.
- Aided in the design of the Compass API, which linked the client experience to our Ruby on Rails back-end.

Web developer - d.Life website

- Coded and documented a website template to detail the d.Life series of d.School classes at Stanford University.

2013 to present

StudentRND

Regional organizer, event lead, evangelist for CodeDay.

Responsible for event planning of five CodeDays, hosting over 600 students attending 24 hour long coding events. During these events, over 100 unique projects have been made. Managed budget, secured volunteers, created compelling prizes, and mentored participants.

- Supervised all planning and day-of event activities. Ensured all aspects of event management ran smoothly, kept students engaged and interested for 24 hours.
- Taught programming workshops for beginner and experienced developers.
- Acquired thousands of dollars in sponsorship money.
- Promoted events to local schools and students. All events have sold out.
- Secured venues and themed sponsorship from leading technology companies such as Amazon, eBay, Gracenote, Yahoo, SAP, SmartThings, Spark, and venture capital company, Andreessen Horowitz.

- Planned and created venue layouts and environments to promote collaboration, productivity, and comfort.

OTHER WORK EXPERIENCE

- Using SolidWorks CAD software running industrial laser cutters, designed and produced laser-cut robot enclosures for *Pebble Developer Conference 2014*.
- Code Intern – *Grimm Bros*. Focused on programming production and pipeline tools. Advised in the planning of successful Kickstarter crowd funding campaign, and operated PAX Prime 2013 conference booth.
- Set up a \$1 million digital media facility at *Hillsdale High School*. Developed a lighting studio, designed recording studio audio workflows, finalized a fiber optic network storage infrastructure, and taught faculty how to use the systems.

OTHER TECHNICAL MEMBERSHIPS, ACHIEVEMENTS AND CONTRIBUTIONS

2014	<p>Cohort member of Stanford University CEO Accelerator, Focus.vc</p> <ul style="list-style-type: none"> • Enrolled in 4-month program instructing on how to effectively run a business. Focused on patent law, financials, budgeting, fundraising, pitching, co-founder relationship development and team building. • Presented a live demo and pitch for Clyde Home Automation to a room full of leading Bay Area venture capital investors.
2014 to present	<p>1st Developer Ambassador for SmartThings</p> <p>Responsible for representing SmartThings, a home automation hardware company, at developer events, including CodeDay Silicon Valley 2014.</p> <ul style="list-style-type: none"> • Taught hardware workshops, and mentored students throughout the event. • Expand the SmartThings Ambassador Program by recruiting other talented and passionate hardware hackers. <p>Achievements</p> <p>Won 2 national software/hardware competitions in the last 6 months.</p> <ul style="list-style-type: none"> • <i>Best Hardware Hack at PennApps</i>, a U Penn hackathon, for building a smart kitchen. We created an internet-connected scale that automatically counted calories. I focused on circuit design, laser cut enclosure CAD, various code for hardware functionality and integration into our network. • <i>Grand Prize at HackTech</i>, a Cal Tech hackathon, for building a smart home automation platform. I focused on: Node.js Back End, Spark hardware programming, Pebble integrations, and building our demo. <p>Open source project contributions</p> <ul style="list-style-type: none"> • <i>Pebble Watch Settings Framework</i>, Developing framework to generate Pebble Watch configuration pages for app developers - Integrations, Back End, Embedded Code. • Natural Numeral Input, Visual software input device for LaTeX and other mathematical symbols. • Authored an open source Maker Space manifesto for the <i>College of San Mateo</i>. • Raspberry Pi US Tour - recognized as "Most Elegant Design" for open source laptop design.
Summer 2013, 2014 Fall 2014	<p>Attended three Thiel Fellowship Under 20 Summits</p>
2013 to present	<p>Participant in over 20 hackathon competitions, have earned 6 top ranking awards.</p>

PROGRAMMING SKILLS JavaScript, Node.js, HTML5, Linux, Less/CSS, Some Java, Some C, Some Swift, Some Objective-C.

HARDWARE SKILLS

SolidWorks, soldering, Upverter schematic and PCB design, Arduino, industrial laser cutting, 3d printing, Raspberry Pi, rapid prototyping products, and DigiKey BOMs.

OTHER INTERESTS

Improvisational saxophone, kayaking, improvisational theater, biking.