CHRIS J GERVANG

Objective: To obtain a position as an engineer working with a blend of hardware and software at an innovative company.

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.
- Development responsibilities include: schematic design, PCB design, back end services, and firmware support.
- Business responsibilities include: fundraising negotiations and managing 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
- The Clyde Home Automation project began as the Grand Prize winning hackathon entry at a Cal Tech Hackathon of over 1200 hackers.
- Development responsibilities include: Programming back end services, hardware integration layers, and API design & integration.
- Business responsibilities included: Pitch development, Scoping out future business potential.
- Presented our product along side Pebble smart watch & spark.io at Bay Area MakerFaire, a large technology conference.
- Currently, Clyde is being managed as an open-source project.

Summer 2013 — **Stanford University d.School,**

Design/software engineering intern - Project Compass
- Responsibilities included: Designing and building web applications to help students navigate their academic experience at Stanford University.
- Building the Front-End JavaScript D3 visualization feature called "Path" which allowed students to create a dynamic timeline of their academic goals.
- Aided in the design of the Compass API, which was used to link the client experience to our Ruby on Rails back-end.
- Met with senior designers at IDEO who advised the direction of our project.
- Reported to directing professors at the Stanford d.School.
- With a small team of three students, applied d.School design methodologies, including customer user studies, to build the product students wanted.

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.
As one of the most involved CodeDay event organizers, I was responsible for leading event planning for five CodeDays, hosting as many as 600+ students attending 24 hour long coding events. During these events, over 100+ unique projects have been made.

Event organizer
- Oversaw all aspects of event management to ensure smooth execution.

- Managed all aspects of organization leading up to the CodeDay programming events.
- Acquired thousands of dollars in sponsorship money.
- Promoted the events to local schools and students.
- Planned and created venue layouts and environments to promote collaboration, productivity, and comfort.
- Secured venues and themed sponsorship from leading technology companies such as Amazon, eBay, Gracenote, Yahoo, SAP, SmartThings, Spark, and venture capital company, Andreessen Horowitz.
- Responsible for managing budget, securing volunteers, creating compelling prizes, and mentoring over one-hundred participating students during each CodeDay event.

Event lead, evangelist
- Supervised all day-of event activities, ensuring all aspects of event management ran smoothly, keeping students engaged and interested for 24 hours, and teaching three programming workshops for beginner and experienced developers.

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 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   **Cohort member of Stanford University CEO Accelerator, Focus.vc**

- Enrolled in 4-month program where I learned about 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 to a room full of Bay Area venture capital investors.

2014 to present   **1st Developer Ambassador for SmartThings**

Responsible for representing SmartThings, a home automation hardware company, at developer events, including CodeDay Silicon Valley 2014.

- Taught hardware workshops, and mentored students throughout the event.
- Expand the SmartThings Ambassador Program by recruiting other talented and passionate hardware hackers.

Achievements

Won 2 national software/hardware competitions in the last 6 months.
- *Best Hardware Hack at PennApps*, 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.
- *Grand Prize at HackTech*, 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.

Open source project contributions

- *Pebble Watch Settings Framework*, Developed framework for generating Pebble Watch configuration pages for app developers - Integrations, Back End, Embedded Code.

- C4at, Visual software input device for LaTeX and other mathematical symbols.
- Authored an open source Maker Space manifesto for the *College of San Mateo.*
- Raspberry Pi US Tour - recognized as "Most Elegant Design" for open source laptop design.

Summer 2013, 2014
Fall 2014
Attended three Thiel Fellowship Under 20 Summits

2013 to present
Participant in over 20 hackathon competitions, have earned 6 top ranking awards.

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

HARDWARE SKILLS SolidWorks, soldering, Upvertor schematic and PCB design, Arduino, industrial laser cutting, 3d printing, Raspberry Pi, rapid prototyping products.

OTHER INTERESTS Improvisational saxophone, kayaking, improvisational theater, biking.