JOSH LEVINGER

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EDUCATION
MIT Media Lab, MAS 2010, Computing Culture, Center for Future Civic Media
Massachusetts Institute of Technology, SB 2007, Aerospace Engineering, Political Science

EXPERIENCE

Product Director, VoteAmerica.com   **2019 - 2020**
Designed and implemented voter registration and vote-by-mail applications, including signature capture and extraction with computer vision techniques. Responsible for product roadmap, feature specs, code and design review, API documentation, partner demonstrations. Django, React, Gatsby.

Commander, Spacedog XYZ   **2013 - 2021**
Strategic consulting and technology development for organizations on a mission. Worked with clients across the world on custom software to address real-world needs with social justice and appropriate technology. Specialized in quick turnaround, high scalability solutions for rapid response campaigns.

Selected Projects
- Connected online creators with environmental action. *2021, 2020* teamtrees.org, teamseas.org
  Stripe transaction processing, Airtable database connected to YouTube API, ActionNetwork CRM
- Personalized political advice at scale. *Elections 2018, 2020* crushthemidterms.org, crush2020.org
  App-like experience for mobile web using React, CSS transitions, calendar and email integrations.
  Designed backend to perform geographic lookups with PostGIS, Shapefiles, ActionNetwork.
- Interactive voter registration chatbot, helped 160k Americans register and vote. *Fall 2016* hello.vote
- Online voter registration tools following US Design Standards, Ruby on Rails. *Spring 2016* vote.org
- Rapid-response call tool using Twilio, Flask. Placed 4m+ calls to Congress. *2015-2021* callpower.org
- Interactive data visualizations for activism using D3. *2015* storiesofsolidarity.org, stopclinicterror.org
- Data pipeline tools for Libyan elections. 1.1m voters registered by SMS, 10 weeks in-country *2014*

Director of Technology, Citizen Engagement Laboratory   **2010 - 2013**
Designed and built web infrastructure for network of national progressive political nonprofits with combined membership of over three million Americans. Launched over twenty websites in three years, consistently meeting rapid deadlines while managing multiple projects. Responsible for server administration, reliability and scaling. Lead team of four direct reports.

Selected Projects
- Online voter registration user experience upgrade for Rock The Vote *May-Nov 2012*
Designed REST API, implemented modern UX. 540k unique visitors, 230k new registrations.
- Documented citizen journalists experience at the voting booth. *2010-2012* VideoTheVote.org
- User reported map of businesses playing Fox News. 230k signups. *2010* TurnOffFox.org

SKILLS
Product-focused engineer with an emphasis on the *why* of technology as much as the *how*.
Full stack application prototyping and development with Python, Ruby, Node and static sites.
Semantic HTML, declarative CSS, modern frontend frameworks, mobile-first, app-like design.
Analytics and optimization, impact metrics, SQL reports, funnel analysis, error monitoring.
Code review and mentoring, behavior driven testing, automated devops, infrastructure as code.

TALKS
Coding for a Cause; SMS Voter Registration, Twilio Signal 2017.
Low-Tech Mobile Engagement, Greenpeace Mobiles x Mobilization 2015.