



# Coding with a Baby

Lessons learned from a developer with small children



# Techniques



## Benefit

- Tiny toes can precisely touch keys

## Drawback

- Need head control, so must be older





## Benefit

- Very precise

## Drawbacks

- Need head control and finger control
- Realization the baby knows more than you

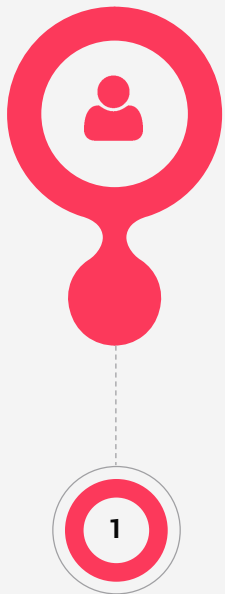




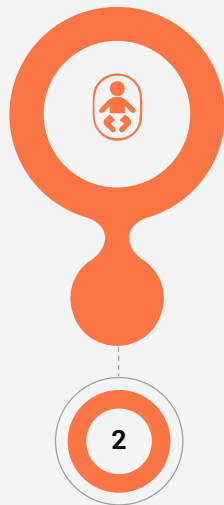
Thanks

# Outline

Bio



Having the Baby



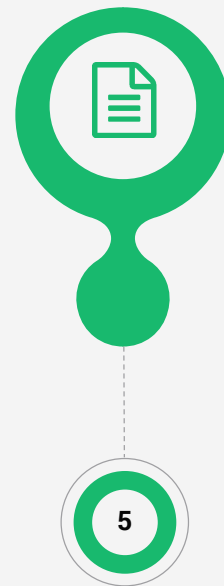
Career



Children With Technology



Resources





Bio



## Bio



Jim Everett

Developer, Architect, Software  
Enthusiast

*HMBer*

*Father of 2*

*Married to a patient wife*

*Software Enthusiast*

*14 years of .NET Experience*

*Enterprise Architect*

*Developer*

*Scrum Master*

*Life Learner*



<https://twitter.com/CognitiveBurden>



<https://github.com/cognitiveburden>



[cognitiveburden@gmail.com](mailto:cognitiveburden@gmail.com)





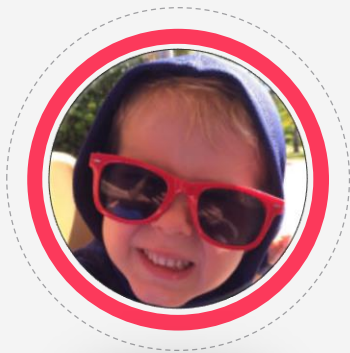


Bio



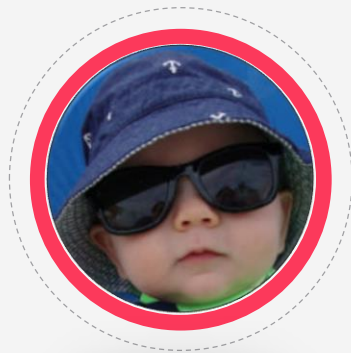
B

The Wife



R

The Big Brother



G

The Baby



Coding With A Baby



Having a Baby



Pregnancy



## Debugging in Production





# Pregnancy



My Pregnancy  
Today



Pregnancy Weight  
Calculator



Baby Names !!



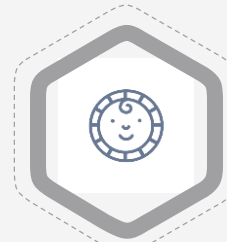
BabyList Baby  
Registry



Baby Kicks  
Monitor



Full Term – Labor  
Contraction Timer



Baby Bookie





# The Delivery



# The Delivery



Entertainment



Music



Chargers



Announcement





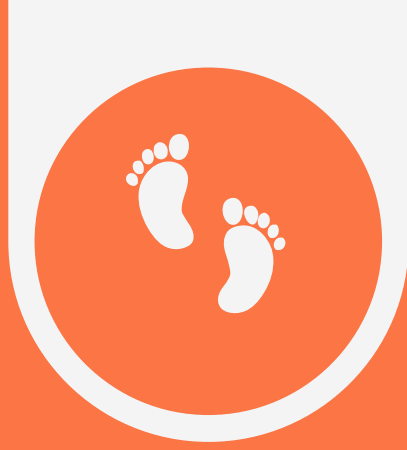
The Result





# The Result

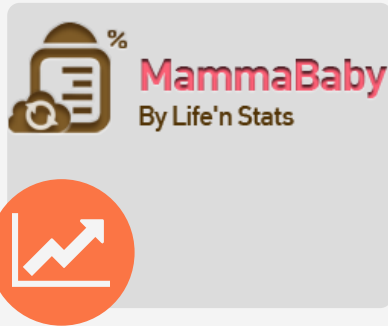




# Early Years



# Early Years



## Baby Tracking

- ▶ Track Feeding, Diapering, Sleeping, & Growth
- ▶ Provide charts and graphs on baby's progress



## Journaling

- ▶ Keep track of all your child's milestones
- ▶ Mixes pictures, dates, and stories



## Safety

- ▶ Apps to help keep your baby safe.





Geek Out



## Geek Out



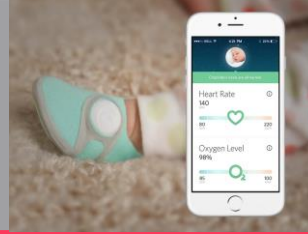
Self Closing Stroller  
\$850



Self Warming Bottles  
\$35



Phone Ultrasound  
\$7,500



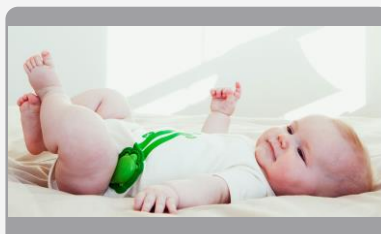
Pulse Oximetry Boot  
\$250



Human like Rocker  
\$159



Baby Tweet  
\$\$



Baby Onesie Monitor  
\$200



Baby Restroom Hanger  
\$40





Career



Planning



# Planning



## Your Rights

- FMLA
- Paternity/Maternity leave policy
- Short Term Disability policy
- [babycenter.com/maternity-leave-checklist](https://www.babycenter.com/maternity-leave-checklist)



## Communication

- Talk to boss first
- Form plan with stakeholders
- Inform coworkers



## Support

- Discuss your level of support while out



## Relationships

- Create good will
- Lean on people while sleep deprived



## Remove Yourself

- Don't be primary
- Take on small projects



## Express Appreciation

- Important to keep support from coworkers



Thanks Ben!







Get Organized



## Get Organized



Sunrise



LastPass



Unroll.Me



PWOP



Todoist



Outlook



Pomodoro



30/30

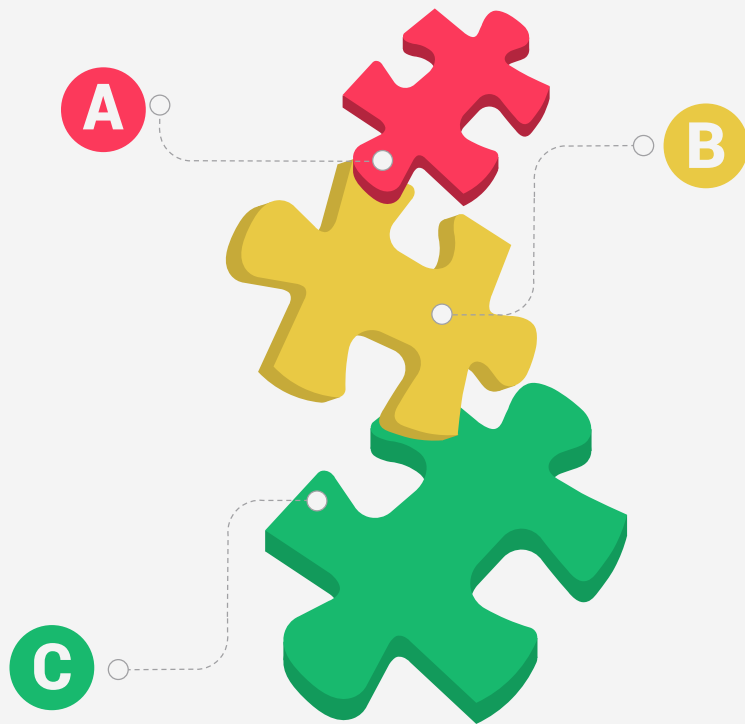




Staying Current



## Staying Current



**A** Aggregators

**B** Experts

**C** Newbies





## Staging Content:

Gather sources on a topic





# Staying Current

**pluralsight**  
hardcore developer training





Bring It Together



# Kids & Technology





Screen Time



# Screen Time



## AAP Recommends

Younger than 2 years old – No Screen Time

2 to 18 years old – Limit to 2 hours per day





Doctors Don't Know Nothing



From the Corner Office



## From the Corner Office



Chris Anderson

- ▶ Chief Exec of 3D Robotics, former editor of Wired.
- ▶ Kids accuse him of being a fascist and overly concerned about tech.



Alex Constantinople

- ▶ Chief exec of the OutCast Agency, a tech-focused communications & marketing firm.
- ▶ On school nights kids only get 30 min on gadgets.



Evan Williams

- ▶ A founder of Blogger, Twitter and Medium.
- ▶ In lieu of iPads, their 2 young boys have hundreds of books (yes, physical ones)





## From the Corner Office



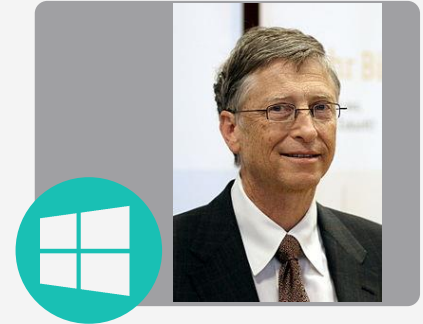
Ali Partovi

- ▶ A founder of iLike and adviser to Facebook, Dropbox and Zappos.
- ▶ Distinction between consuming and creating on screens.



Dick Costolo

- ▶ The chief executive of Twitter.
- ▶ Allows unlimited use of gadgets as long as their two teenagers are in the living room.



Bill Gates

- ▶ The Microsoft founder.
- ▶ Limit of 45 minutes of screen time during the week and 60 minutes on weekends.





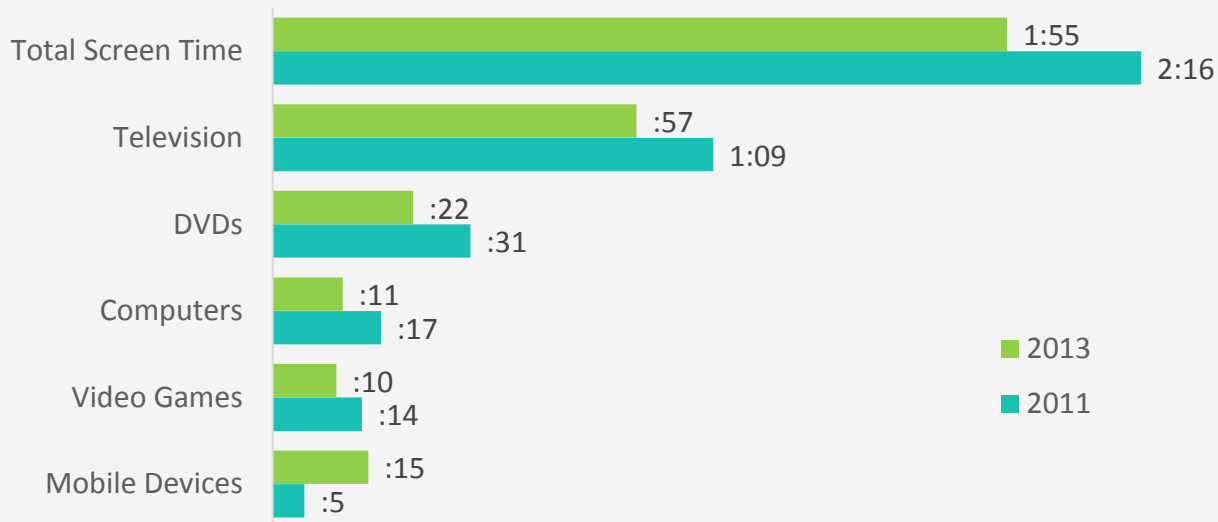
# Screen Time Stats



# Screen Time Stats

## Screen Media Use, by Platform, over Time

Among children age 0-8, average time spent per day using:



Source: Common Sense Media: 0-8 Children's Media use in America 2013  
<https://www.commonsensemedia.org/research/zero-to-eight-childrens-media-use-in-america-2013>



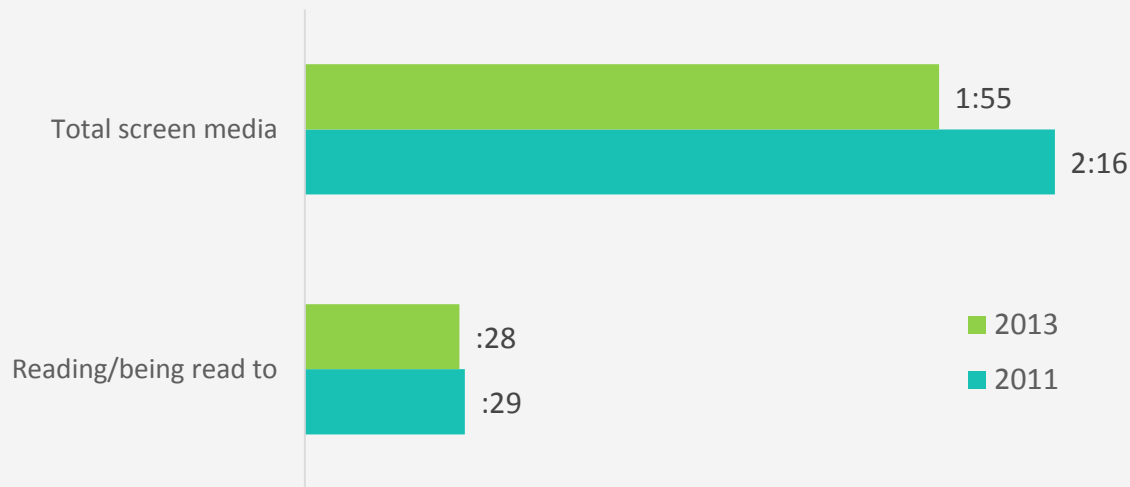




## Screen Time Stats

### Time Spent with Media, by Activity, over Time

Among 0- to 8-year-olds, average amount of time spent in a typical day:



Source: Common Sense Media: 0-8 Children's Media use in America 2013  
<https://www.commonsensemedia.org/research/zero-to-eight-childrens-media-use-in-america-2013>





# Concerns



## Concerns

Obesity

Behavior

Violence

Sleep

School

Bullying

Addiction

Adult  
Content

Play  
Time





# How to Manage Technology



# How to Manage Technology



Keep it Out of the Bedroom

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Don't Eat in Front of TV

---



Set School Day Rules

---



Suggest other activities



Set a Good Example



Unplug it

---





Digital Guardian





# Digital Guardian

1

Set Reasonable Expectations

2

Talk with your kids about  
how they use services

3

Support Critical thinking and  
civil behavior

4

Require Internet use in a  
high-traffic place

5

Get your kids to share







Teaching Our Kids



# Teaching Our Kids



HOPSCOTCH

IOS App

[gethopscotch.com](http://gethopscotch.com)



Kodable

IOS App

Online or PC Game

[kodable.com](http://kodable.com)



Scratch  
Scratchjr

Online or PC Game

IOS App

Android App

[scratchjr.org](http://scratchjr.org)

[scratch.mit.edu](http://scratch.mit.edu)





# Summary



# Resources



## Resources



Jim Everett

Developer, Architect, Software  
Enthusiast



<https://twitter.com/CognitiveBurden>



<https://github.com/cognitiveburden>



[cognitiveburden@gmail.com](mailto:cognitiveburden@gmail.com)



[bit.ly/CodingWithABaby](https://bit.ly/CodingWithABaby)





# Resources

## Having the Baby

### Pregnancy:

<http://www.babycenter.com/pregnancy>  
<https://itunes.apple.com/us/app/my-pregnancy-today-babycenter/id386022579?mt=8>  
<https://itunes.apple.com/us/app/50-000-baby-names-free/id363724891?mt=8>  
<https://itunes.apple.com/us/app/happy-pregnancy-ticker/id449267797?mt=8>  
<https://itunes.apple.com/us/app/full-term-labor-contraction/id382013176?mt=8>  
<https://itunes.apple.com/us/app/baby-names-!/id412443566?mt=8>  
<http://www.babybookie.com/>

### Delivery:

<https://www.bornyet.com/>  
<http://www.birthvillage.com/birth-announcements.php>

### Early Years

<http://mammababy.lifenstats.com>  
<http://makesafehappen.com/>  
<http://dayoneapp.com/>  
<https://www.lifecake.com/>

### Geek Out

<http://www.pcmag.com/slideshow/story/308706/11-tech-gadgets-for-new-parents>  
<http://www.iiamo.com/products/iiamo-go-family/go/>  
[http://www.oddee.com/item\\_98567.aspx](http://www.oddee.com/item_98567.aspx)  
<https://www.4moms.com/origami>  
<http://www.mobisante.com/products/product-overview/>  
<https://www.owletcare.com/>  
<https://www.4moms.com/rockaroo>  
[http://www.oddee.com/item\\_98567.aspx](http://www.oddee.com/item_98567.aspx)  
<http://wdc.com/ventito/tech/trending/the-wired-baby-5-innovative-gadgets-for-new-parents>  
<http://mattkaar.com/blog/2012/12/01/raspberry-pi-as-a-baby-monitor/>  
<http://stuffbabiesneed.com/blog/building-raspberry-pi-baby-monitor-part-one/>  
<http://blog.alexwilde.net/make-a-raspberry-pi-baby-monitor/>  
<http://duino4projects.com/interactive-childs-mobile-using-arduino/>  
<http://mimobaby.com/>





# Resources

## Career

Planning:

<http://www.babycenter.com/maternity-leave-checklist>

Career:

<http://lifehacker.com/how-to-prepare-your-career-before-having-a-baby-1686911785>

<https://todoist.com/>

<https://calendar.sunrise.am/>

<http://3030.binaryhammer.com/>

<https://itunes.apple.com/us/app/microsoft-outlook/id951937596?mt=8>

<http://pomodorotechnique.com/>

<http://mtcb.pwop.com/>

<http://dotnetrocks.com/>

<http://distributedpodcast.com/>

<http://hanselminutes.com/>





# Resources

## Children With Technology

<http://lifehacker.com/5946947/how-can-i-kid-proof-my-pc-and-gadgets>  
<https://www.aap.org/en-us/advocacy-and-policy/aap-health-initiatives/pages/media-and-children.aspx>  
<http://www.nhlbi.nih.gov/health/educational/wecan/reduce-screen-time/tips-to-reduce-screen-time.htm>  
<http://www.nytimes.com/2014/09/11/fashion/steve-jobs-apple-was-a-low-tech-parent.html>  
<http://theunboundedspirit.com/why-steve-jobs-didnt-let-his-kids-use-ipads/>  
<http://waldorfpenninsula.org/>  
<http://www.telegraph.co.uk/education/educationnews/10767878/Infants-unable-to-use-toy-building-blocks-due-to-iPad-addiction.html>  
<http://www.sensomotorische-integratie.nl/CrisRowan.pdf>  
<http://richardfreed.com/wired-child/>  
<http://www.nytimes.com/2011/10/25/us/screen-time-higher-than-ever-for-children-study-finds.html>  
<https://www.common sensemedia.org/>  
<http://www.parentfurther.com/resources/enewsletter/e-parenting>  
[http://www.blumanateebooks.com/home/digital\\_playground\\_data/screen\\_time\\_trends.html](http://www.blumanateebooks.com/home/digital_playground_data/screen_time_trends.html)  
<https://www.parentmap.com/article/are-kids-watching-less-common-sense-media-study-spotlights-screen-time-trends>  
<https://itunes.apple.com/us/app/kids-media/id504932051?mt=8>  
[\[america-2013\]\(#\)](https://www.common sensemedia.org/research/zero-to-eight-childrens-media-use-in-</a></p></div><div data-bbox=)

<http://www.cnn.com/2015/04/29/health/kindergartners-tv-weight-gain/index.html>

## Digital Guardian

<https://www.common sensemedia.org/privacy-and-internet-safety/how-do-i-protect-my-kids-privacy-online>  
<http://www.coppa.org/>  
<https://www.snapchat.com/safety>  
[http://www.connectsafely.org/wp-content/uploads/snapchat\\_parents\\_guide.pdf](http://www.connectsafely.org/wp-content/uploads/snapchat_parents_guide.pdf)  
<http://www.ikeepsafe.org/>  
<http://www.saferinternet.org.uk/>  
<http://www.connectsafely.org/>  
[http://www.connectsafely.org/wp-content/uploads/sc\\_cyberbullying.pdf](http://www.connectsafely.org/wp-content/uploads/sc_cyberbullying.pdf)  
<http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

## How to teach coding

<http://allthingsd.com/20130506/can-these-ipad-apps-teach-your-kid-to-code/>  
<https://itunes.apple.com/us/app/kodable/id577673067?mt=8>  
<https://itunes.apple.com/us/app/hopscotch-hd/id617098629?mt=8>  
<http://www.edutopia.org/blog/7-apps-teaching-children-coding-anna-adam>  
<https://scratch.mit.edu/>  
<https://www.gethopscotch.com/>  
<https://www.kodable.com/>  
<http://www.scratchjr.org/>

