

CS 402: Mobile Development

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Final Lecture

Congratulations!

You're all Android developers!

Where to go from here

Continue your education!

Some great resources:

[ElectronicArmory.com](https://www.electronicarmory.com) - 3D Game development too!

[Lynda.com](https://www.lynda.com) (free with some libraries)

YouTube, local library, online tutorials, etc...

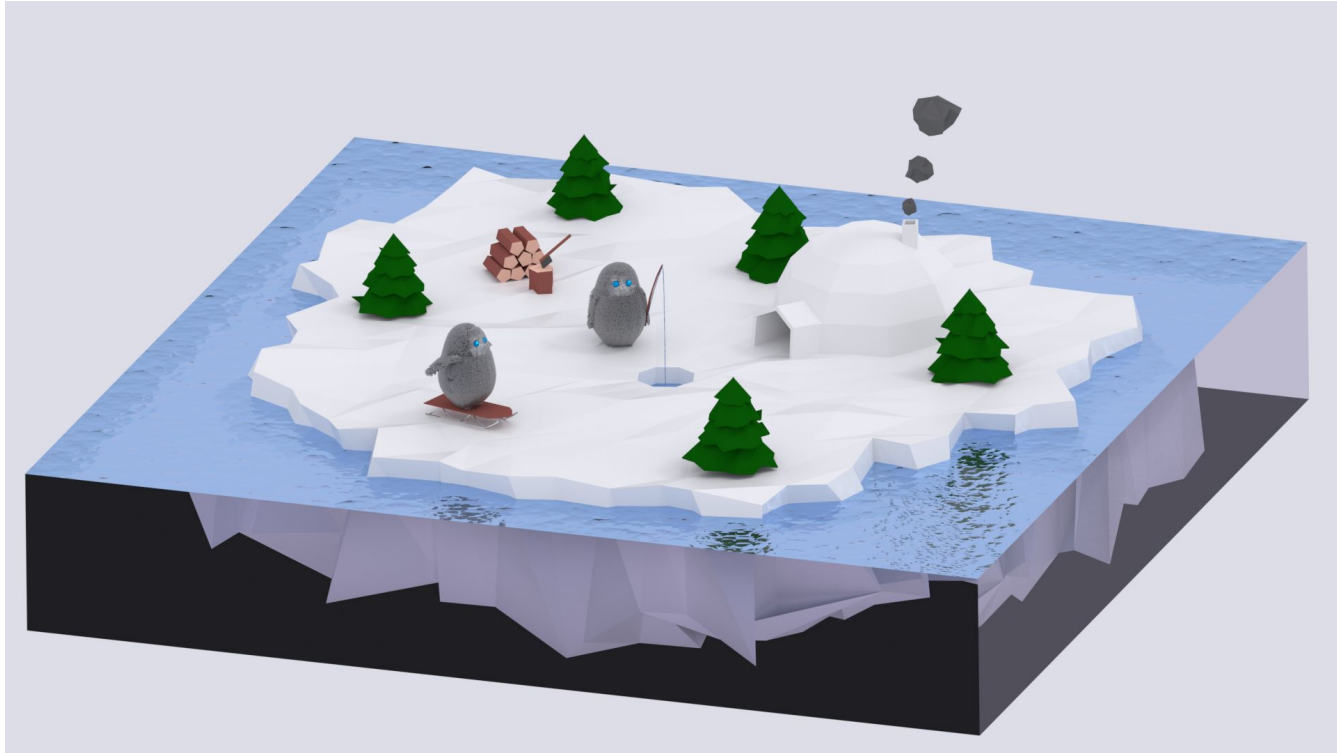
Build, build, build!

Continue to build apps.

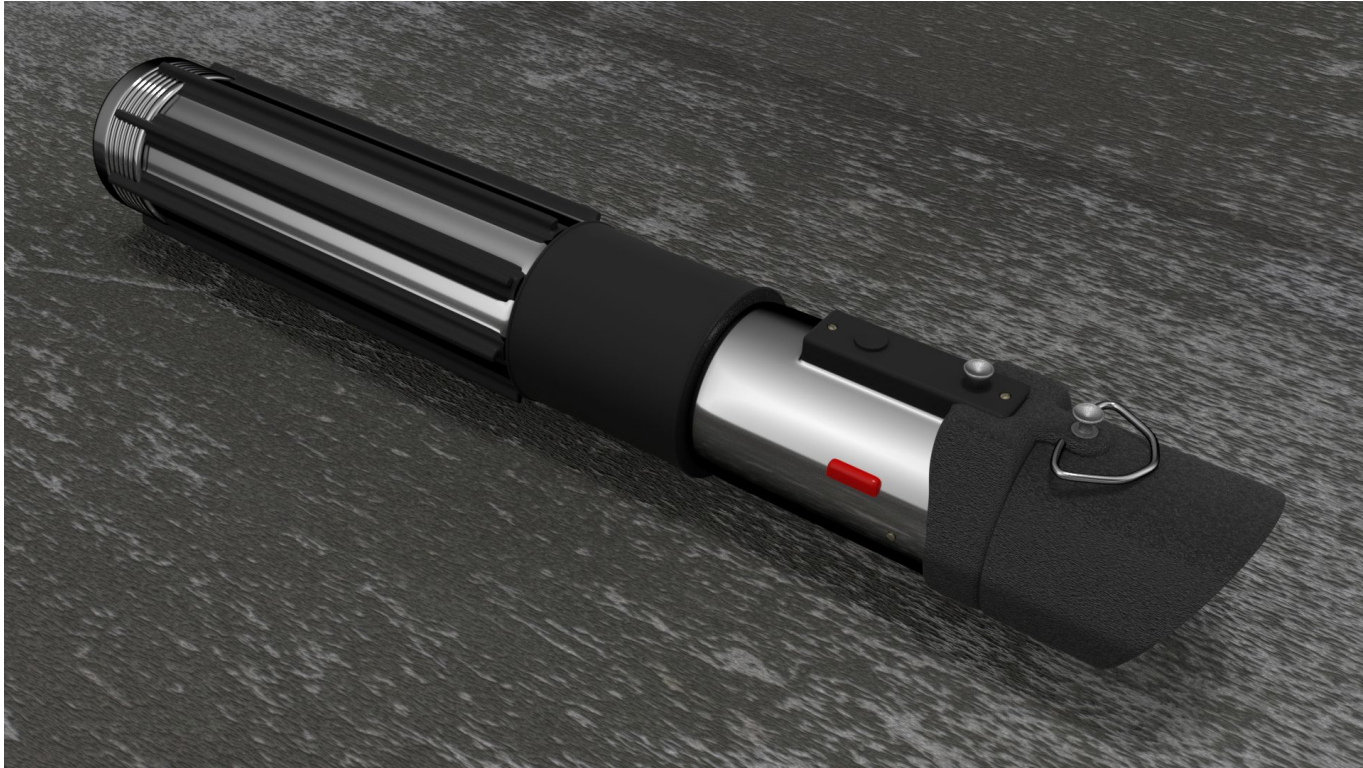
Lots of tiny apps.

A few larger ones.

Plan to do a bit each day



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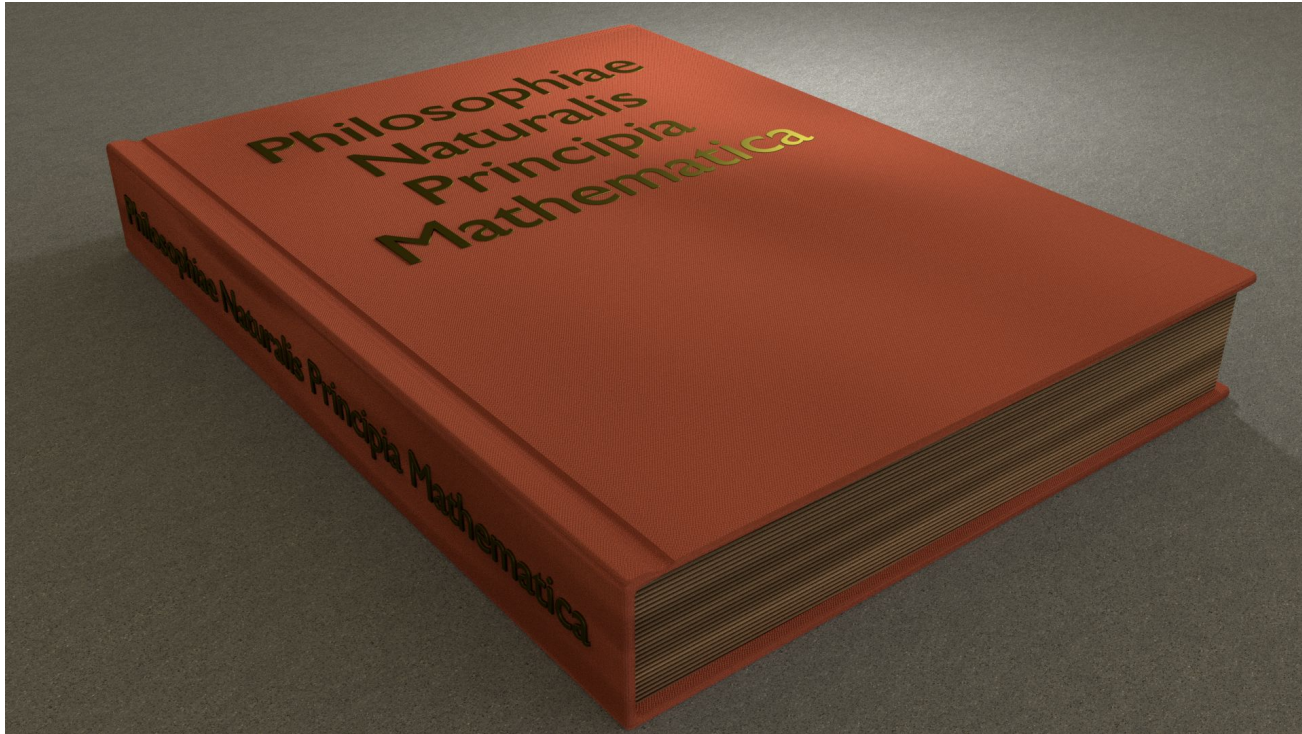
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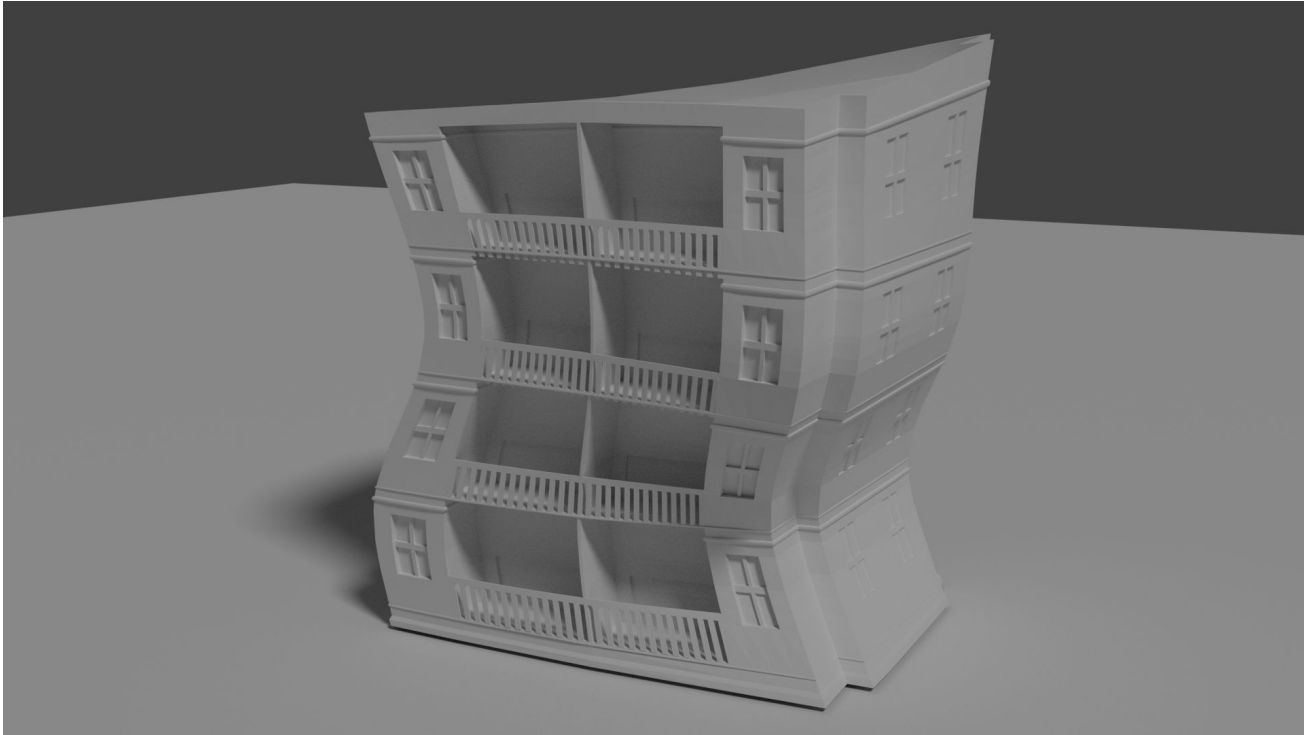
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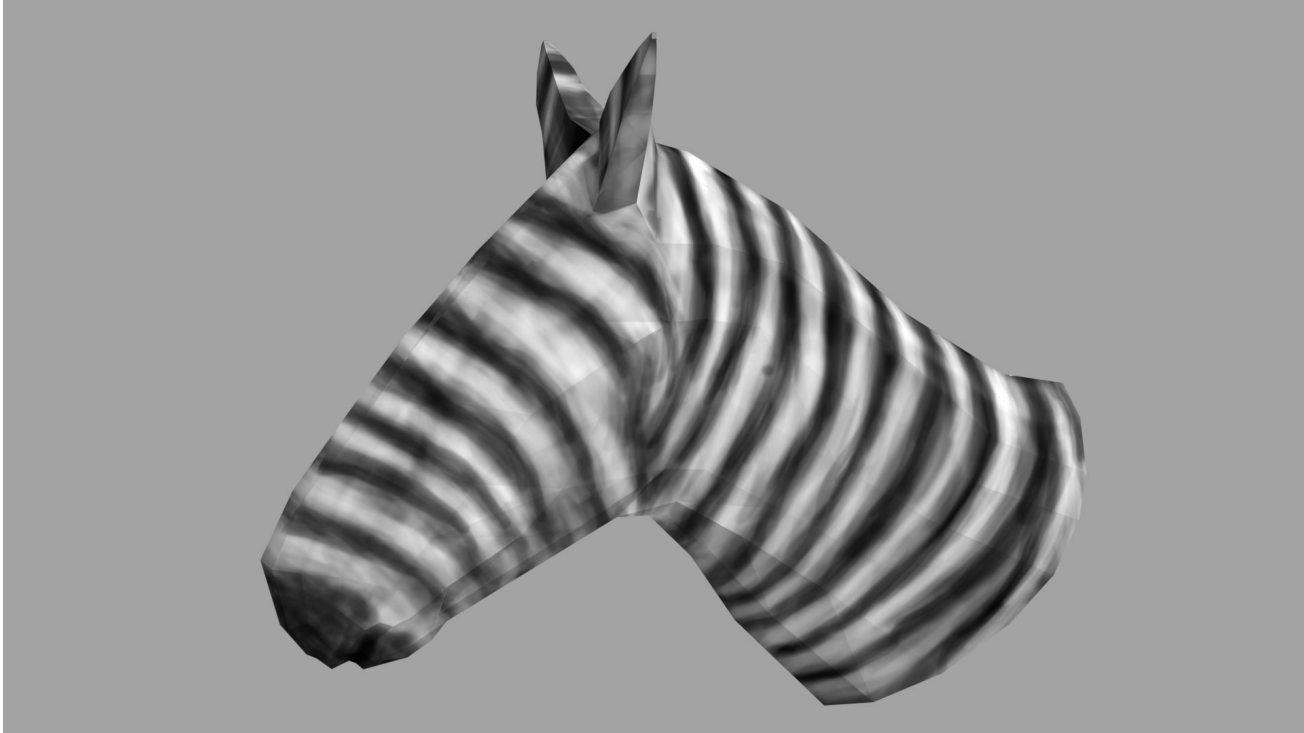
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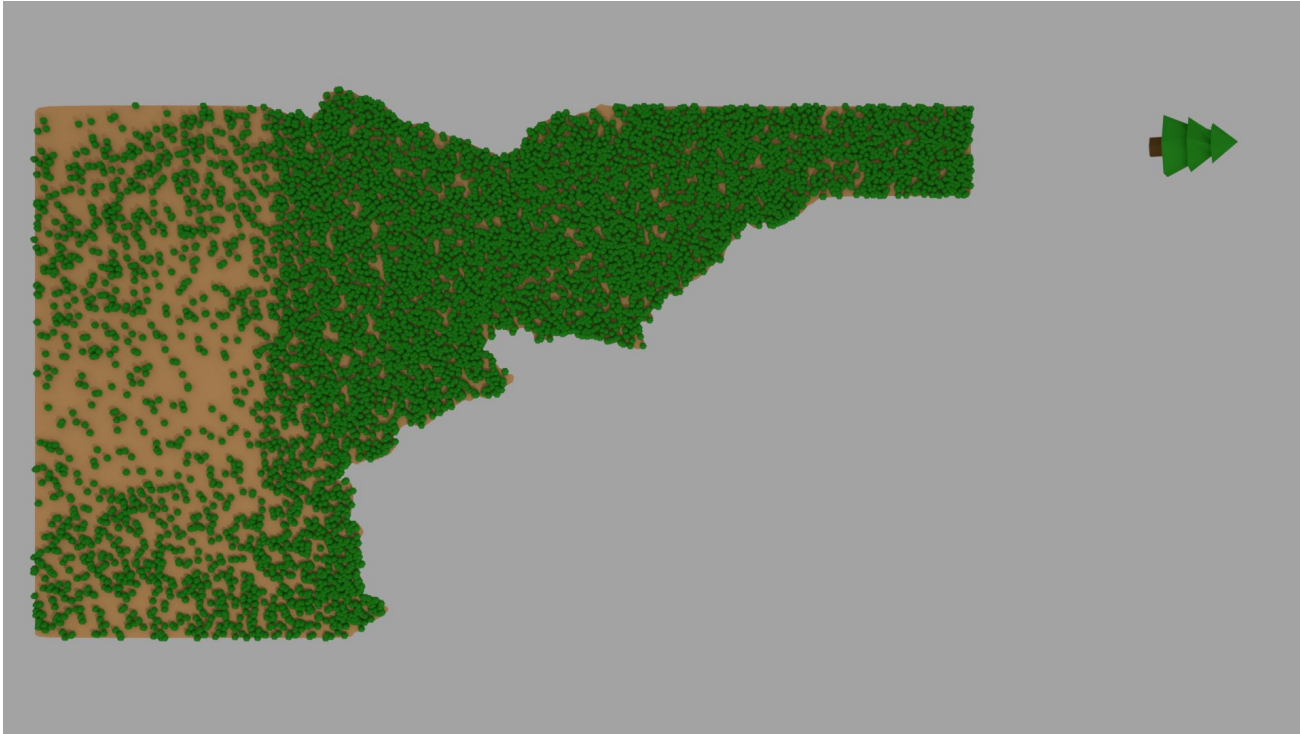
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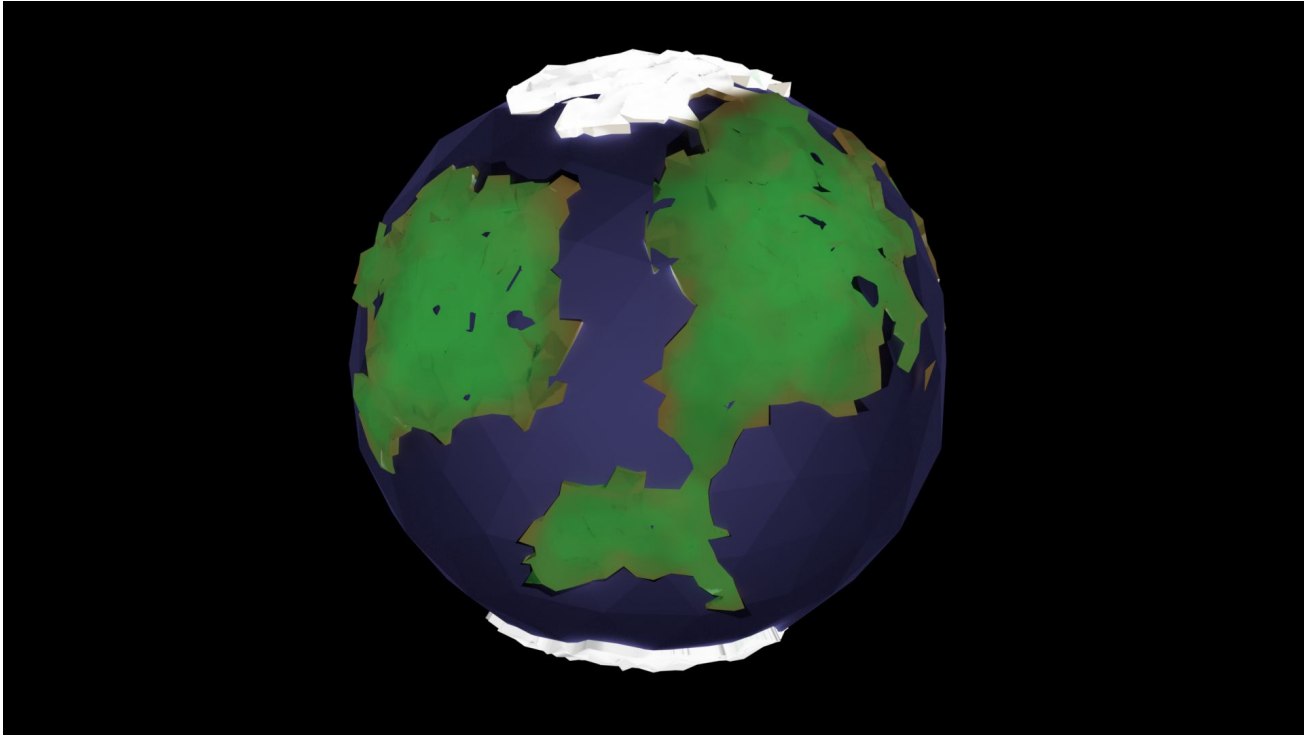
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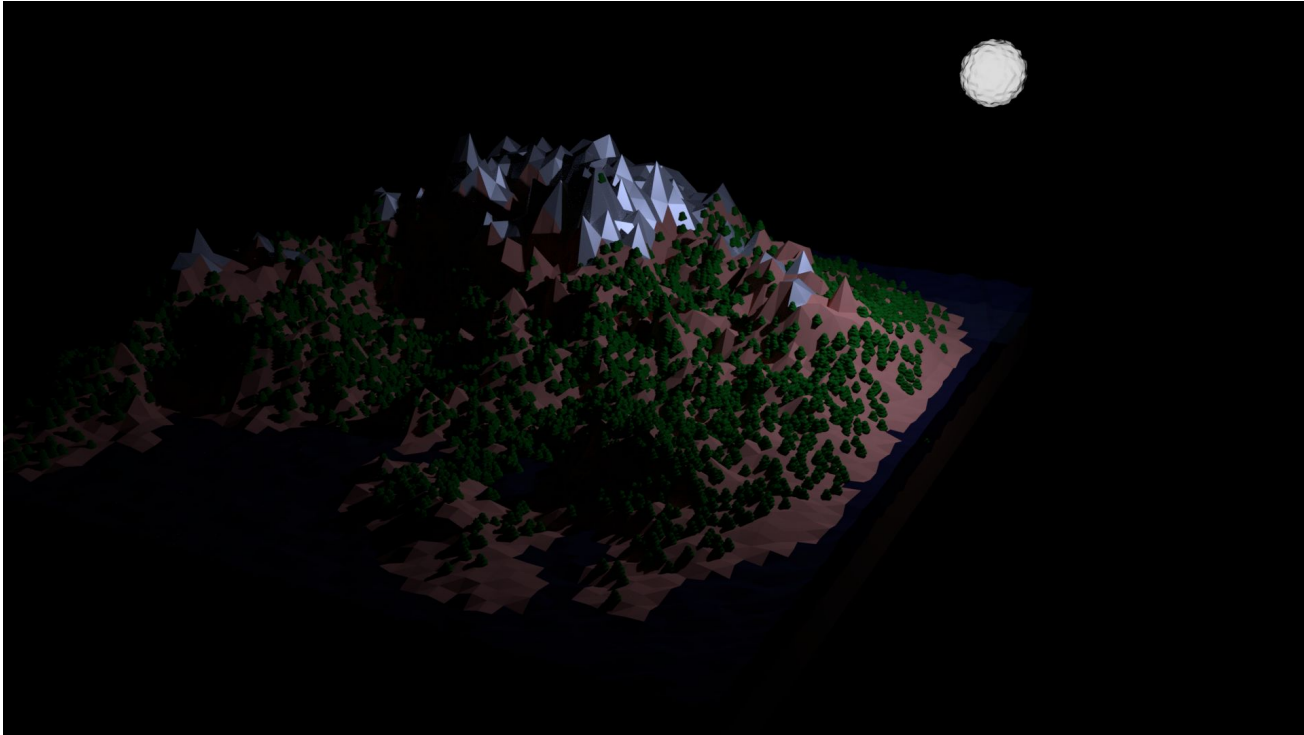
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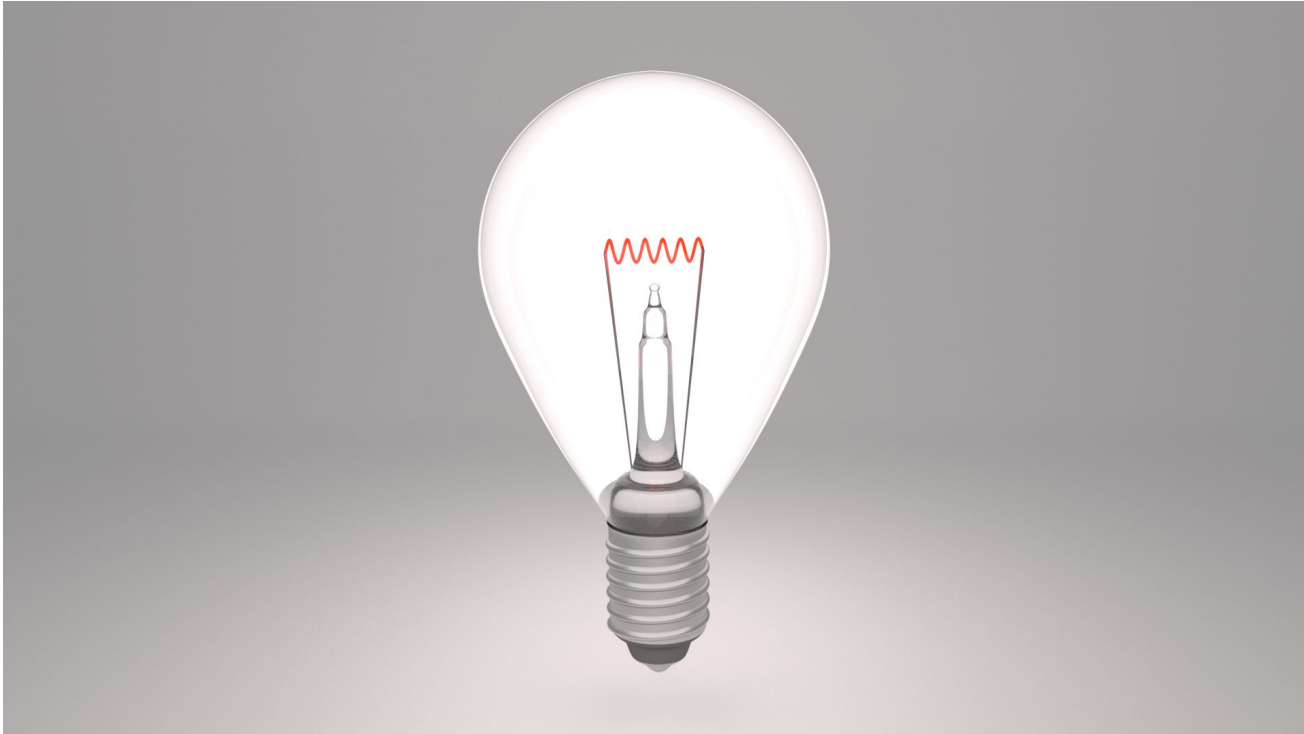
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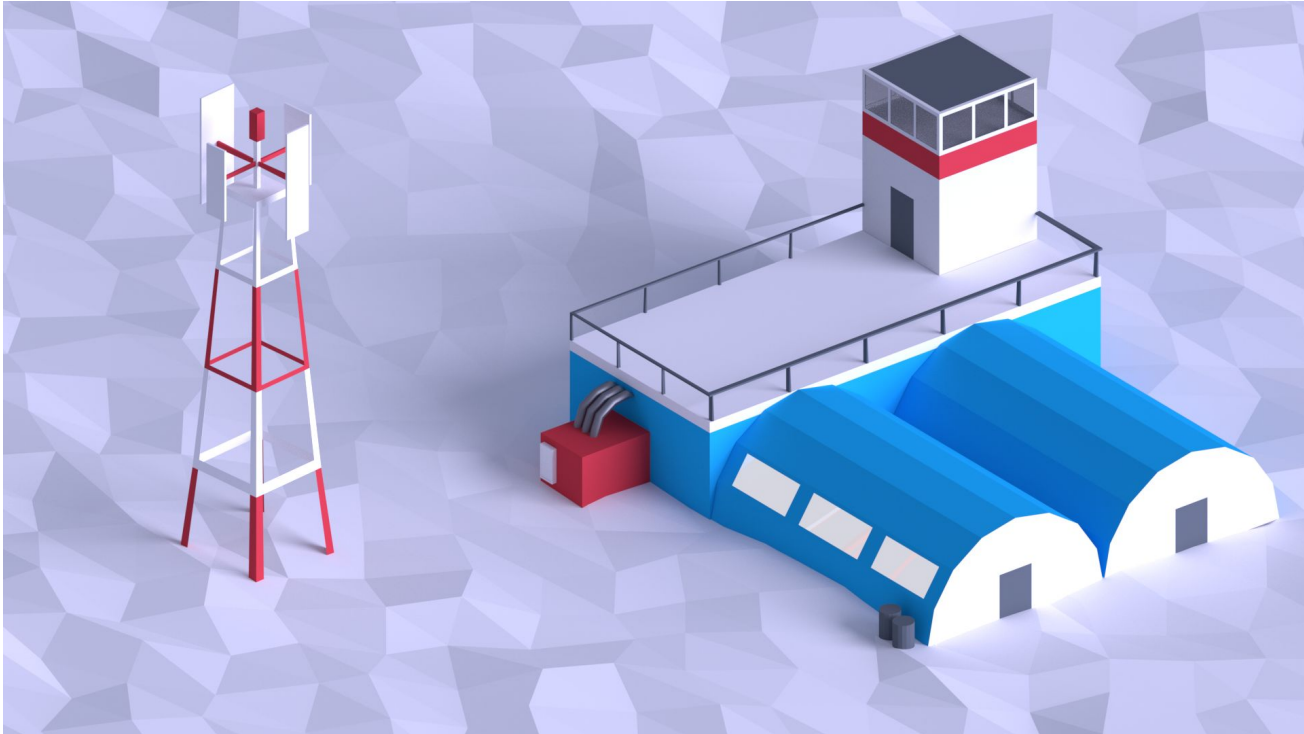
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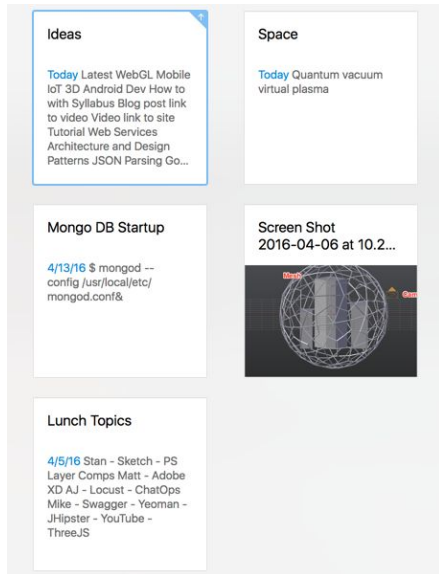


Write down everything

Get an old fashioned notebook (the paper kind)

Or

Use Evernote



Write a list of goals

Goals are specific.

Goals are obtainable.

Break up large goals.

Some of my goals

1. Finish my pilot's license (07/1998- ?)
2. ~~Get motorcycle license~~ Completed 11/2007
3. Kayak at least 500 miles (down Missouri river?)
4. ~~Learn to scuba dive~~ Completed – 11/2008
5. Ride a motorcycle across Europe
6. Learn to surf
7. ~~Pay off student loan debt~~ Completed January 2014
8. ~~Become a Scuba Dive Master~~ Completed 06/05/2011
9. ~~Dive the U.S.C.G.C Bibb~~ Completed 6/28/2009
10. Enter and explore the U.S.C.G.C Bibb
11. ~~Dive in the Pacific Ocean~~ Completed 12/05/2011

Some goal ideas

- Create 2 published apps this year
- Create an Angular 2 / React.js / etc app this month
- Create a low poly house in Blender in 30 days
- Create a 2D scroller game in Unreal Engine, this month

Goal Consequences

- If you fail, do something that hurts, a lot.
- Don't announce it publicly.

Experience over everything

Greatness rarely comes to the young. Instead, we celebrate and idolize these rare events.

da Vinci - [First big break at 46](#)

van Gogh - Painted for 10 years before he sold a painting. Started at 27.

Painting in the dark

[The Long Game Part 3: Painting in the Dark](#)

A video essay on “The Struggle for Art in A World Obsessed with Popularity”

Experience yields the best ROI

If there's something you want:

Start early

Start often

And of course, backup, backup, backup (your data).

10 years after graduating

I've:

Been a Technical Director

Owned several companies (most successful)

University instructor

Traveled Europe (several times)

Been to South America (several times)

Soloed airplanes

Scuba dived in tropical places

Married, had kids

Never stagnate

Always be learning, always be improving.

Diversify your offerings. Don't just be the "mobile guy."

Never stagnate

“Jack of all, master of none.”

Not true!

Anyone can learn Android

But the good ones know how to learn and are always learning and more importantly, always doing and creating.

Read!

Mr. Money Mustache will save you from early financial mistakes.

A Random Walk Down Wall St. will show you that anyone can invest.

Read and Meet

“You are the same today you’ll be in five years except for two things: the people you meet and the books you read.” -- Charlie Jones

How to Win Friends and Influence People

1. Get out of a mental rut, think new thoughts, acquire new visions, discover new ambitions.
2. Make friends quickly and easily.
3. Increase your popularity.
4. Win people to your way of thinking.
5. Increase your influence, your prestige, your ability to get things done.
6. Handle complaints, avoid arguments, keep your human contacts smooth and pleasant.
7. Become a better speaker, a more entertaining conversationalist.
8. Arouse enthusiasm among your associates.

The Rules Favor the Rich

[Rich Dad Poor Dad](#) - Robert Kiyosaki shares the story of his two dad: his real father, whom he calls his 'poor dad,' and the father of his best friend, the man who became his mentor and his 'rich dad.'

Tax laws favor business owners.

Start Your Own Company

- You choose which projects you work on
- You decide who you work with
- You take all the responsibility and receive the rewards
- You pick which 16 hours of the day you work. But it's my choice to work that much.

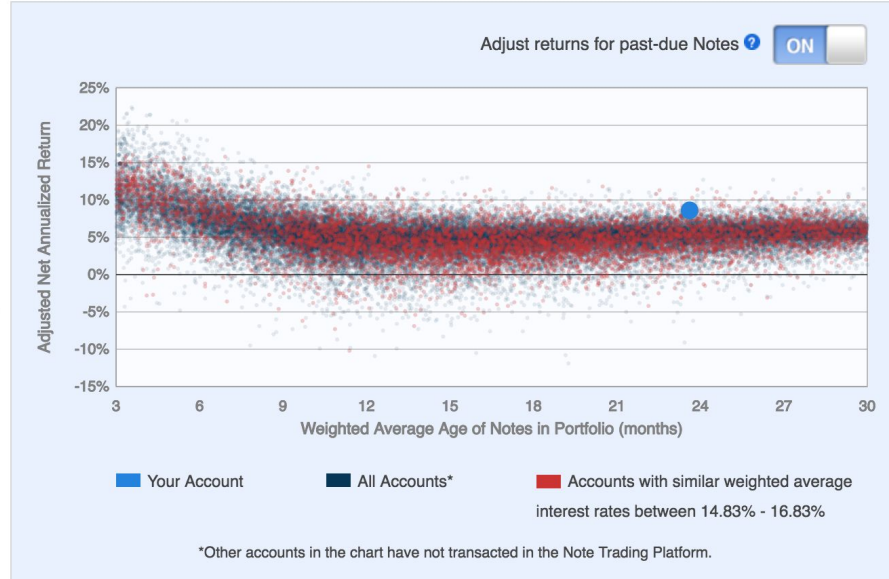
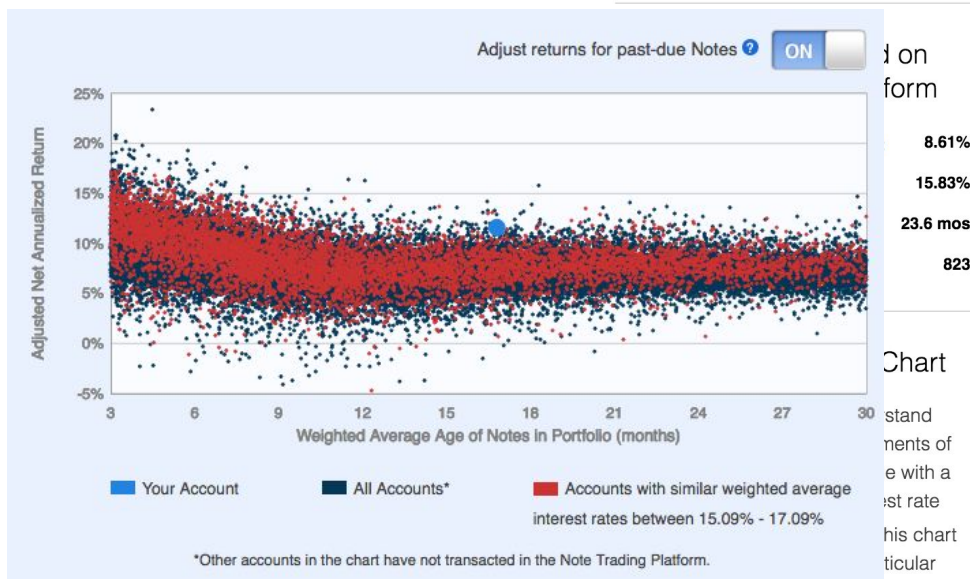
Invest

\$10,000 @ 7% for 10 years is about
\$19,671.51 (compounded yearly)

Every 10.3 years, you double your money. Rule of 72

Start with \$10,000 and retire a millionaire

High Risk Investment



My money will double in 5.5 years @13%.

Invest

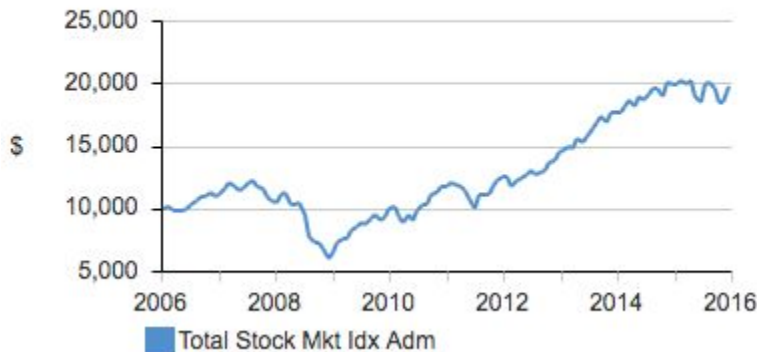
[The Millionaire Next Door](#) - Shows that REAL millionaires live in \$300,000 dollar houses, own their own business and drive older model, domestic cars.

Invest

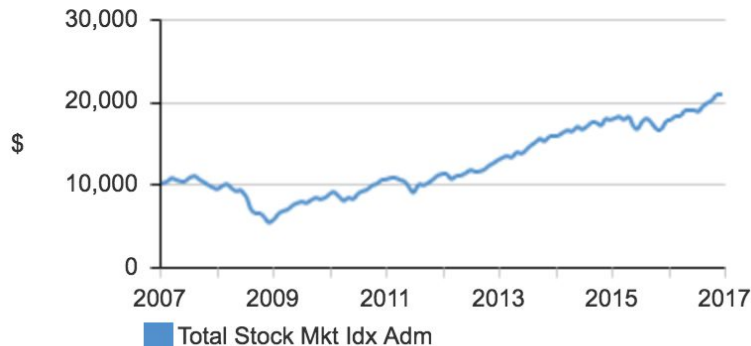
Vanguard Total Stock Market Index

Low cost, tax efficient, no front loaded fees, no mutual fund can beat it long term. It is, by definition, the market average

Hypothetical growth of \$10,000
As of 3/31/2016



Hypothetical growth of \$10,000
As of 3/31/2017



Need a shorter term solution?

Find a high yield (~1%) savings account

Things I've Invested In

- Companies (Lost \$10,000 in my second one, gain invaluable knowledge)
- Index Funds
- Tesla
- Cows
- Self (Education, Health)

Put yourself out there

Teach

Give a talk

Put on a presentation

Volunteer

Go to a conference

Travel Europe alone

Put yourself out there

Publish your work!

Don't be afraid of failure or criticism.

Put yourself out there

The more you push your comfort zone beyond its boundaries, the larger your comfort zone becomes until you're never uncomfortable again.

Thank You, Goodbye and Good Luck

This class wasn't really about Android development.

It was about turning your passion into a career.

The real last lecture

[Randy Pausch's Last Lecture](#) - Achieving your childhood dreams