

A photograph of three professionals in a bright, modern office setting. They are all wearing yellow hard hats and grey business suits. They are gathered around a large table, intently studying a set of architectural blueprints. The man in the center is pointing at a specific detail on the plans. The woman on the right is holding a rolled-up set of blueprints. The background shows large windows with a view of a city skyline.

# Mechanical Engineering

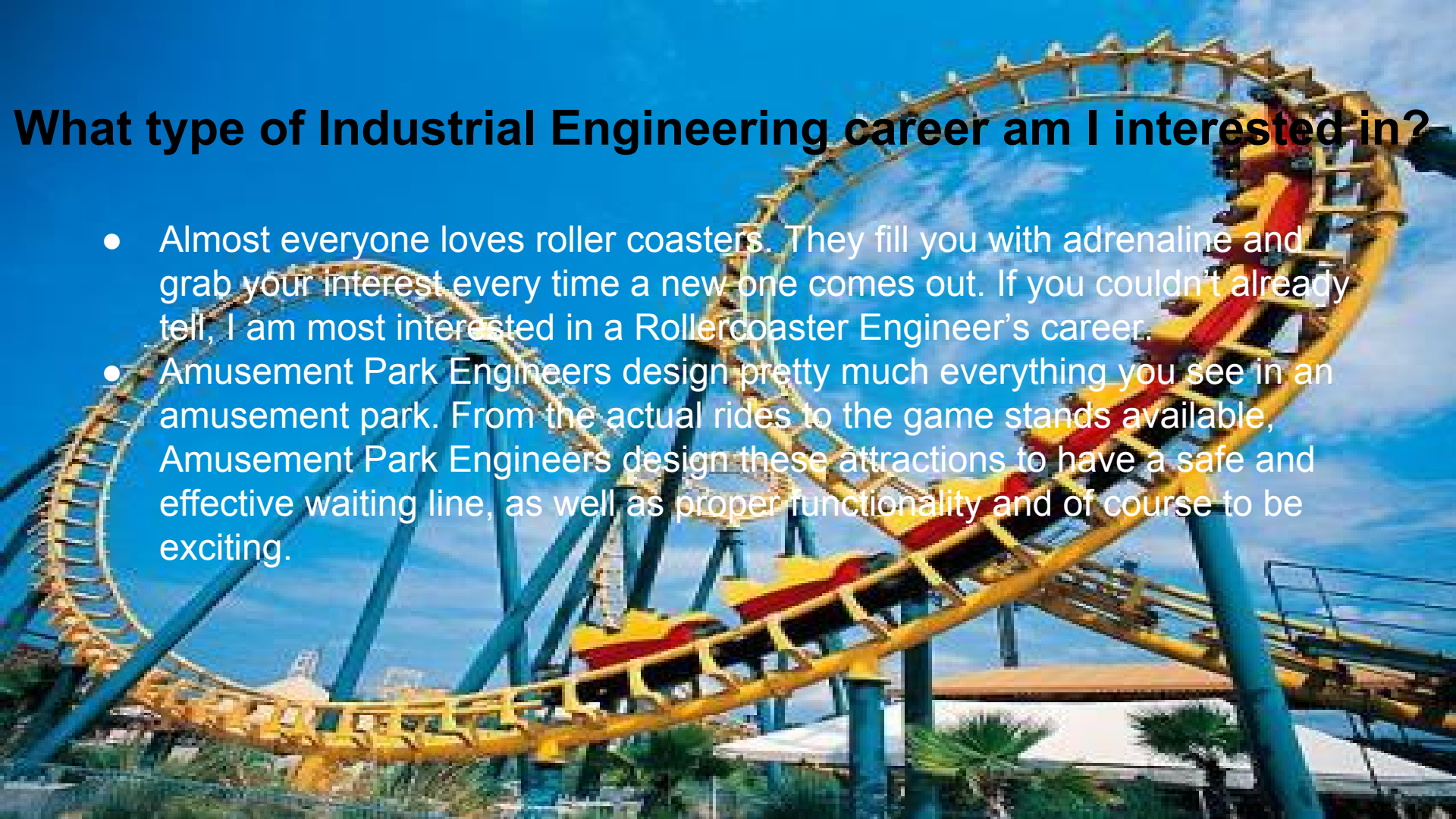
Johnathan Bizzell

Mr. Beatty

8/5/15

# What type of Industrial Engineering career am I interested in?

- Almost everyone loves roller coasters. They fill you with adrenaline and grab your interest every time a new one comes out. If you couldn't already tell, I am most interested in a Rollercoaster Engineer's career.
- Amusement Park Engineers design pretty much everything you see in an amusement park. From the actual rides to the game stands available, Amusement Park Engineers design these attractions to have a safe and effective waiting line, as well as proper functionality and of course to be exciting.



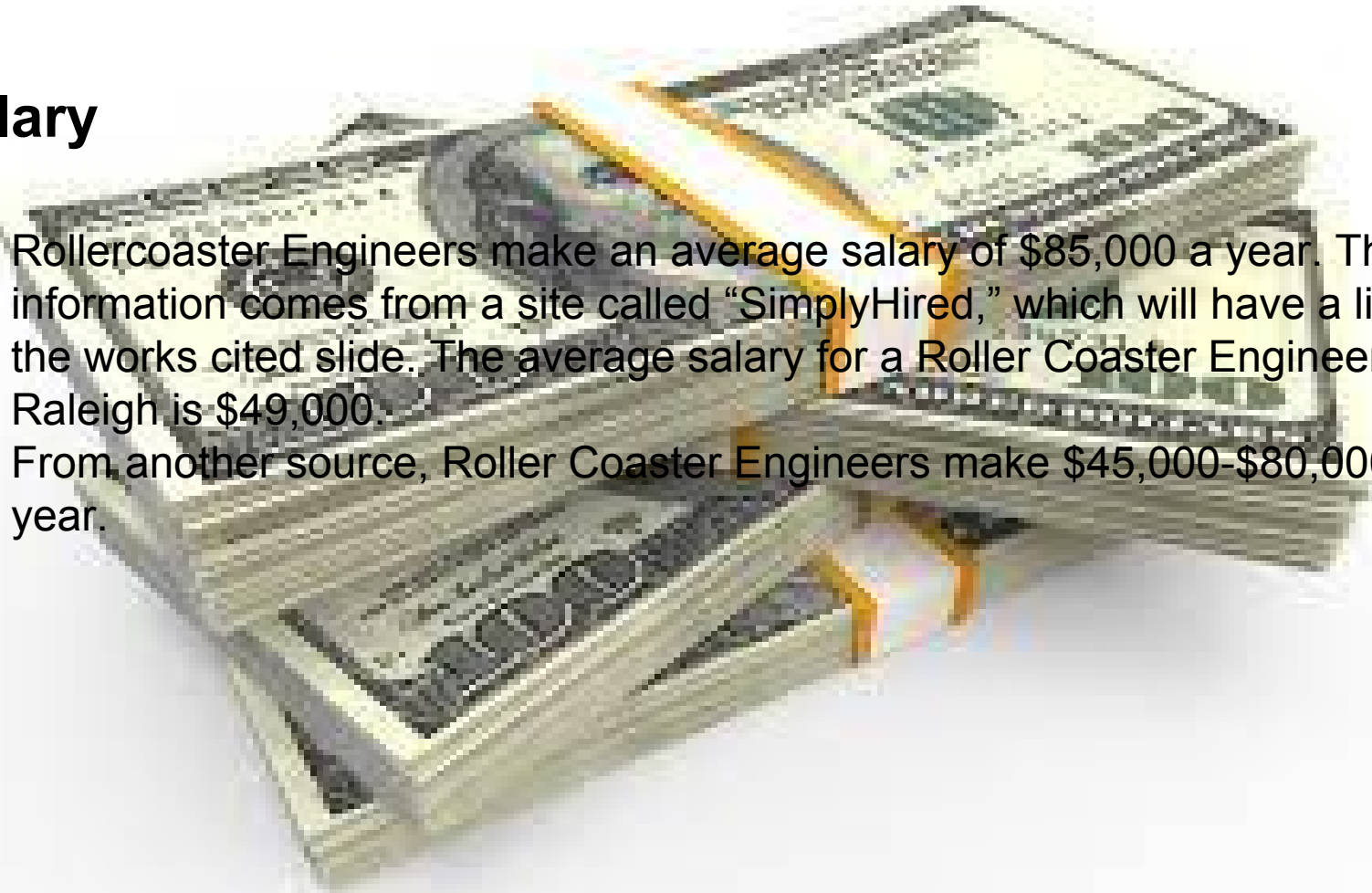
# Education Requirements

A stack of five books is positioned in the background, slightly to the right and behind the text. The books have covers of different colors: blue, red, green, yellow, and blue. They are stacked in a slightly overlapping manner, with the top book being the most prominent.

- Amusement Park Engineers are required to at least have a bachelor's degree. The design team usually consists of mechanical, electrical, and structural engineers, so you'd want to get a bachelor's degrees in these fields of engineering. You'd also want to study physics and mathematics so you can understand how velocity, weight, and speed work with roller coasters and transportation systems.
- It is necessary to get licensed to become an Amusement Park Engineer. States should have a bachelor's program which will get you on track with obtaining your license. To get your license, you'll need to take an entry level test, get approximately 4 years of experience in the field, then take the professional test.

# Salary

- Rollercoaster Engineers make an average salary of \$85,000 a year. This information comes from a site called “SimplyHired,” which will have a link in the works cited slide. The average salary for a Roller Coaster Engineer in Raleigh is \$49,000.
- From another source, Roller Coaster Engineers make \$45,000-\$80,000 a year.



# Why I'm interested in this career

- Honestly, I personally chose this career since I've had an affinity to roller coasters. I think it'd be awesome to be able to design a fun, functional roller coaster and be able to say, "I built that."
- The career doesn't pay as much as other engineering careers, but it does seem to make up for it by being fun and satisfying.

# Links to sources I used

- [http://study.com/articles/Roller\\_Coaster\\_Engineer\\_Job\\_Description\\_and\\_Education\\_Requirements.html](http://study.com/articles/Roller_Coaster_Engineer_Job_Description_and_Education_Requirements.html)
- <http://www.simplyhired.com/salaries-k-roller-coaster-engineer-l-raleigh-nc-jobs.html>
- <http://smallbusiness.chron.com/salaries-roller-coaster-engineers-14570.html>
- <http://www.txtpeg.org/what-we-do.html>
- <http://www.xcdsystem.com/iie2014/abstract/finalpapers/I993.pdf>