Mint
Helping you decide your future
Our Mission
To provide our users with information they can utilize while making decisions for their future.
Our Objective
"Obtaining a higher education takes time, effort, and a lot of money. Is it worth it for me to obtain a college degree?"
Target Audience

● Potential students in a dilemma about pursuing higher education
● Working professionals in a dilemma about going back to school
Problem

**COLLEGE TUITION RISING**

1995: $10,552

2000: DECENT ($11,655)

2010: A LOT ($17,710)

2015: REALLY A LOT ($23,890)
Problem

Earnings and unemployment rates by educational attainment, 2015

<table>
<thead>
<tr>
<th>Educational Attainment</th>
<th>Median Usual Weekly Earnings</th>
<th>Unemployment Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doctoral degree</td>
<td>$1,623</td>
<td>1.7%</td>
</tr>
<tr>
<td>Professional degree</td>
<td>$1,730</td>
<td>1.5%</td>
</tr>
<tr>
<td>Master's degree</td>
<td>$1,341</td>
<td>2.4%</td>
</tr>
<tr>
<td>Bachelor's degree</td>
<td>$1,137</td>
<td>2.8%</td>
</tr>
<tr>
<td>Associate's degree</td>
<td>$798</td>
<td>3.8%</td>
</tr>
<tr>
<td>Some college, no degree</td>
<td>$738</td>
<td>5.0%</td>
</tr>
<tr>
<td>High school diploma</td>
<td>$678</td>
<td>5.4%</td>
</tr>
<tr>
<td>Less than a high school diploma</td>
<td>$493</td>
<td>8.0%</td>
</tr>
</tbody>
</table>

Problem

Most of the available data pertaining to this question are articles loaded with text.
Our Solution

Dynamic visualizations of different data pertaining to education and income.

This helps users visualize and conclude whatever possible correlations that may exist when deciding on whether or not to pursue college.
Design
Design Process

It was an iterative process to get to where we wanted.
Do You Want To Be In School?

As poor college students aiming to relieve our immense educational debts with the [prospective] jobs of our futures, we were interested in seeing whether or not this idea of “a higher education” really enables you to succeed financially.

Our Goal:

Our visualizations are geared towards allowing users to see for themselves the data about education and income, and come to their own conclusions about their correlation and how that would pertain to their own futures respectively.
Should you obtain a higher education?

For many, it only seems natural to attend college as soon as their secondary education is complete. However, for others, this is a question that is commonly asked as they must weigh out the payoff from their potential financial stability compared to the immense educational debt they may incur.

Our Goal

As college students questioning our benefits of attending college, we are interested in seeing whether or not there is a link between higher education and financial success. By creating visualizations between data pertaining to education and income, we aim to allow users to come to their own conclusions about possible correlations when deciding whether or not to pursue college.
Final Design
Final Design Pt. 2
System Development
The People Problem

- Many people ask and want to know if college is really worth the investment
- Our application allows users to look at past records of education levels and the corresponding income levels for subregions of San Diego
“Our application allows users to look at past records of education levels and the corresponding income levels for subregions of San Diego.”

- Records meant data
- Subregions meant we needed a map
## Technical Problems

<table>
<thead>
<tr>
<th>MAPS &amp; GRAPHS</th>
<th>EFFICIENCY</th>
</tr>
</thead>
<tbody>
<tr>
<td>➔ Finding a suitable mapping library-Leaflet addressed our concerns</td>
<td>➔ Database calls cause latency</td>
</tr>
<tr>
<td>➔ We used simple bar and pie charts to display data so that users have a degree of familiarity with the visualizations</td>
<td>➔ We stored our data in local JSON files</td>
</tr>
<tr>
<td></td>
<td>➔ Calls to local files experience much lower latency</td>
</tr>
</tbody>
</table>
Technologies

- Leaflet Javascript Library
  - Mapbox API
- Bootstrap
- D3
- Express & Node.js
Demo!

getmint.herokuapp.com
Project Risks

- Transforming plain data into something useful was a challenge
- Worried about not being able to present the data in a meaningful way
- Had trouble getting the visualizations to work correctly
- Designing the website
Team Structure

Calvin Gomez - Project Leader
Arnold Chen - Back End Development
James Kong - Visualizations
Alisa Prathnadi - Front End Design
Diana Ho - Data & Front End Design