

# Jacob Stuart

Software Engineering Intern

## Contact

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## Technical Skills

Java, C/C++,  
Android Development,  
Linux Kernel,  
Git Source Control,  
Node.js

## Education

2014–Now **Bachelor of Science** Computer Science **(3.6)** Purdue University  
Expected May 2017  
Software Engineering and Computer Security Concentration  
Management Minor

## Projects

- May 2015 **Radio 91x** Android Application  
An Android application designed to stream music in the background with a modern and intuitive material design interface, song history, and favorites.
  - Foreground Service with IBinder Communication
  - Material Design
  - Sqlite Backend
- May 2015 **The Crate Escape** Unity Game  
2D infinite runner with raycasting, an object pool, and advanced vector-based movement.
  - Xbox 360 Controller Support
  - Unique Graphics
- Dec 2014 **Purdue Eats** Android Application  
Website crawler that parses the Purdue Dining Court's menus to provide a native interface.
  - Rock Solid Stability
  - Favorites, Dislikes, Intelligent Anticipation
  - Sqlite Backend
- June 2015 **Push Torrent** Node.js Server Application  
Nonblocking server application to follow a websocket and intelligently download links.
  - Websockets
  - Gzip Support
- April 2015 **IRC Client** C++ with GTK GUI  
Server and client reimplementations of the IRC specification.
  - GTK Gui
  - Featureful C Networking

## Experience

2015–Now **Linux Kernel Development** Kernel C  
I am currently taking the Eudypyla Challenge. So far, my drivers work includes a simple USB driver and misc char device driver.

## Awards

2014–Now    **Dean's List**  
Awarded to the top students academically.

Purdue University

## Relevant Coursework

Fall 2014    **Introduction to Object Oriented Programming**

Purdue University

Spring 2015    **Programming in C**

Purdue University

Spring 2015    **Foundations of Computer Science**

Purdue University

Spring 2015    **Scientific Writing and Presenting**

Purdue University

## Interests

**professional:** mobile application development, economics, UX design, software design

**personal:** longboarding, cars, movies