

# julius alexander iv

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## experience

### *PlanGrid*

Aug 2016

Aug 2019

Implemented multiple authentication systems across all apps, including SSO, OAuth, and unified logins

Built backends for multiple features and products such as "push notifications" and the submittals product

Developed and led Admin team in backend architectural guidance for topics like async processing patterns, service boundaries, and service resilience

Python (Flask, SQLAlchemy), Javascript (React, Redux), Postgres, AWS (SQS)

### *Google*

May 2015

Aug 2015

Rebuilt Chrome's spellchecking system to use multiple languages simultaneously, fulfilling one of its oldest feature requests and impacting millions of users

C++, Javascript

## projects

### *Choir*

Ever-evolving generative music, à la Brian Eno (WIP)

Elixir (Phoenix, websockets), Javascript (Webaudio)

### *cranium.css*

CSS framework for individually tailoring web UI's

Go, Python (scikit-learn), Javascript

### *sprawl*

Chrome extension that distributes assets via bit torrent

Node, Go

## education

### *RPI*

Aug 2012

Aug 2016

Graduated magna cum laude with a dual degree in Computer Science and Computer & Systems Eng.

AXA, Racquetball Club, Rensselaer TALKS founding member