

# Andrew Chon

(404) 424-3990 | andrewdchon@gmail.com | andrewchon.com | github.com/theandrewchon

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## EDUCATION

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### Northwestern University

*Full-stack Software Engineer Certificate*

Chicago, IL

March 2020

### Emory University

*Bachelor of Science in Biology*

Atlanta, GA

May 2016

GPA: 3.78

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## SKILLS

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**Languages:** JavaScript, TypeScript, Python, HTML, CSS

**Technologies:** React, Redux, Node, Express, PostgreSQL, DynamoDB, MongoDB

**Tools:** Git, CI/CD, Heroku, Postman, Jest, AWS (Lambda, Amplify, S3), Scrum Agile Methodologies,

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## WORK EXPERIENCE

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### Sip Language

Chicago, IL

**Full Stack Engineer**

June 2020- Present

- Built the language teaching webapp via YouTube using React with Hooks and a serverless AWS backend
- Automated YouTube ingesting using AWS Lambda and DynamoDB, reducing lesson creation from about a day to under a minute
- Improved perceived loading times by caching API requests and lazy loading any updated information
- Condensed DynamoDB schemas and optimized API routes, reducing both the number of needed tables from seven to five and the cost by 15%

### Tempus Labs

Chicago, IL

**Clinical Data Analyst**

June 2019–June 2020

- Researched and analyzed over 3000 clinical oncology cases, extracting key data points and trends that contributed to winning \$175 million in new contracts with major oncology pharmaceutical companies
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## PROJECTS

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### DevConnector

*DevConnector is a social networking forum for developers to share and discuss their next big ideas*

*React | Node.js | Express | MongoDB | Redux | JWT*

- Fullstack app utilizing React and Redux for global state management, JWT for user authentication and protected routes/endpoints, and MongoDB for a flexible database
- Built extensive backend RESTful APIs with built in validation, permissions, and error handling tested extensively with Postman

### To do-Nest

*Yes, this is ANOTHER to simple do app so I could focus on building a performant and robust server*

*React | Node.js | NestJS/Express | PostgreSQL | Typescript*

- Utilizes best security practices, including password salting/hashing, data validation, and guarded APIs
- Leverages TypeScript, unit testing, data transfer objects, and many other techniques to allow the backend to be reliable, refactorable, and not error-prone

### BAE

*Bae is a meeting management system to shorten meetings by removing unnecessary items on the meeting agenda*

*React | Node.js | Express | MongoDB | Mongoose | TailwindCSS*

- Implemented the backend software, including the Express server, MongoDB database and Mongoose schemas, and the REST APIs for the front end as well as the Home and User page.