

## Experience

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### Chief Technology Officer, *Course Key, Inc.*

August 2014 - Present

I joined CourseKey as a technical co-founder. I helped take it from conception to where it is now. I am also a member of the executive team. During my time in CourseKey I:

- Led and scaled the engineering team from 2 students to 11 professional engineers
- Architected, built and maintained the infrastructure running CourseKey's systems
- Patented algorithms for verifying participation in a meeting location via sound and geo location
- Built complex user attendance and hours tracking system

### Independent Developer and Consultant, *Freelance*

March 2014 – Present

Started my own software development business where I work on personal projects and provide my services to other businesses.

- **Warframe Farmer Assistant**, *Kannah Software Services* July 2014 – September 2014
- **Database Architecture Consultant**, *S&T Auto Repair* June 2014 – July 2014
- **Web Development Consultant**, *SDSU MESA Engineering Program* June 2014 – July 2014

### Founder/Contracted Engineer, *HiTech EdVentures, LLC*

January 2014 – Present

Started a student-led organization and business with a professor to assist student in getting paid experience through contracted projects. I led and managed multiple projects and trained the students to self-organize and complete the projects. I also acted as an advisor and consultant for other projects and businesses.

### Private Tutor, *Independent*

August 2013 – May 2015

Tutored students in the following subjects: Calculus, Engineering, Physics, Programing, Circuits and many more.

### Information Technology Assistant, *SDSU Office of EOP & Ethnic Affairs*

June 2012 – March 2014

Direct liaison to Student Affairs Information Systems Management. Managed and maintained entire department of over \$100k worth of hardware and software equipment. Developed and maintained department website.

## Key Strengths

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**Development Processes** I utilize agile and waterfall development processes with modern methods. The processes are adapted to the needs of the product and the company culture. Use data to generate and evaluate metrics to ensure ongoing improvement.

**Innovation, Strategy Development, and Plan Execution** I contribute to strategic product planning with a customer-centric approach, and have consistently proposed, executed development and shipped innovative products. I drive architecture discussion and decision-making in a fast-paced environment.

**Growth, Mentoring, and Hands-On Engagement** I actively acquire new skills for myself and provide opportunities for the team to grow professionally and personally through mentoring.

## Education

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**B.S. in Computer Engineering**, *San Diego State University*

2019

- Minor in Computer Science