

# Andy Dufresne | Headed for the Pacific

95814, 123 Main Street – Sacramento – California, United States

📞 (213) 555-9876 • ✉ andy.dufresne@ppresume.com

🌐 <https://ppresume.com/andy.dufresne> • 📺 @andy.dufresne • 🐦 @andy.dufresne

## Basics

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- Computer Science major with strong foundation in data structures, algorithms, and software development
- Pixel perfect full stack web developer, specialised in creating high-quality, visually appealing websites
- Experienced in databases (SQL, NoSQL), familiar with server-side technologies (Node.js, Express, etc.)
- Team player, with detail-oriented mindset and a keen eye for design and user experiences

## Education

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### University of Southern California

<https://www.cs.usc.edu/>

*Bachelor, Computer Engineering and Computer Science, Score: 3.8*

*Sep 2014 – Jul 2018*

- Developed proficiency in programming languages such as Java, C++, and Python
- Gained hands-on experience in software development through various projects and assignments
- Strong communication and teamwork skills acquired through group projects and presentations

**Courses:** Discrete Methods in Computer Science, Programming Language Concepts, Data Structures and Object-Oriented Design, Operating Systems, Computer Architecture, Database Systems, Computer Networking, Introduction to the Theory of Computing

## Work

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### PPResume

<https://ppresume.com>

*Senior Software Engineer*

*Jan 2023*

- Developed and implemented efficient and scalable code, ensuring high-quality and maintainable web applications
- Collaborated with cross-functional teams to gather project requirements and translate them into technical solutions
- Conducted thorough testing and debugging to identify and resolve any issues or bugs in the software
- Actively participated in code reviews, providing valuable feedback to improve code quality and adherence to best practices
- Mentored and guided junior developers, fostering a collaborative and growth-oriented team environment

**Keywords:** Scalability, Growth, Quality, Mentorship

### PPResume

<https://ppresume.com>

*Software Engineer*

*Sep 2018 – Dec 2020*

- Created reusable React components to ensure code efficiency and maintainability
- Integrated with RESTful APIs to fetch and display dynamic data on the frontend
- Implemented client-side routing using React Router for smooth navigation between pages
- Actively participated in Agile development methodologies, attending daily stand-up meetings and sprint planning sessions

**Keywords:** RESTful, React, Agile

## Languages

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**English:** Native or Bilingual Proficiency

**Chinese:** Elementary Proficiency

## Skills

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**Web Development:** Expert

**Keywords:** Python, Ruby, CSS, React, JavaScript

**DevOps:** Intermediate

**Keywords:** Python, Kubernetes, Docker, Shell, Ansible

**Design:** Intermediate

**Keywords:** Sketch, Figma, Photoshop

## Awards

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### Dean's List

*University of Southern California*

Oct 2016

Awarded to students who achieve a high academic standing by maintaining a specified grade point average (GPA) during a semester.

## Certificates

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**AWS Certified Developer - Associate**

AWS

<https://aws.amazon.com/certification/>

Mar 2021

## Publications

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**ACM Transactions on Interactive Intelligent Systems**

<https://dl.acm.org/journal/tiis>

*Enhancing Human-Computer Interaction through Augmented Reality*

Dec 2017

- Explores the potential of augmented reality (AR) in improving interaction between humans and computers
- Highlights benefits of AR in various areas such as gaming, education, healthcare, and design
- Discusses challenges and future directions of AR technology in enhancing user experience

## References

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**Dr. Amanda Reynolds**

(555) 123-4567

*Computer Science Professor*

[amanda.reynolds@usc.edu](mailto:amanda.reynolds@usc.edu)

Andy Dufresne shows exceptional problem-solving skills and a solid understanding of programming concepts, he would bring immense value to any team or organization he becomes a part of.

## Projects

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**EduWeb**

<https://www.eduweb.xyz/>

*A web-based educational platform for interactive learning*

Sep 2016 – Dec 2016

EduWeb is an innovative educational platform:

- Designed to enhance online learning experiences
- Facilitates students' engagement and collaboration through interactive features and user-friendly interface
- Offers a wide range of courses across various subjects
- Aims to improve the way students learn through the power of the web

**Keywords:** Education, Online Learning, HCI Education, Online Learning, HCI

## Interests

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**Sports:** Soccer, Swimming, Bicycling, Hiking

**Music:** Piano, Guitar

## Volunteer

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**USC Computer Science and Engineering Society**

<https://www.usccsesociety.org/>

*Tech Mentor*

Sep 2015 – Jul 2023

- Volunteered as a Tech Mentor at USC Computer Science and Engineering Society
- Provided guidance and assistance to fellow students in their technical projects and coursework
- Assisted in organizing workshops, coding competitions, and networking events for the society members
- Contributed to fostering a collaborative and supportive environment within the student community